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- Acetylfluoresceincarboxylic acid**, methylic salt of (HERZIG and MEYER), A., i, 69.
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- α -Acetylglutaric acid**, ethylic salt of (VORLÄNDER and KNÖTZSCH), A., i, 285.
- β -Acetylglutaric acid**, methylic and ethylic salts, and its ketoanilimide, ketolactonimide, ketodi-imide, ketolactonanil, ketodilactone, ketolacton-*o*- and -*p*-tolils, ketolactone- α and β -naphthils, ketobisphenylhydrazide and ketolactonphenylethylhydrazide (EMERY), A., i, 325, 326.
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- Acetylhydroxyphenyl-*o*-toluoxazole**. (HENRICH), A., i, 446.
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- Acetylmethylcyclohexanol** (KNOEVENAGEL and TÜBBEN), A., i, 608.
- Acetylmethyl hexyl ketone**, and action of methylic iodide on (KRAMERS), A., i, 589.
- Acetylmethylisopropylcyclohexanol-5-** (KNOEVENAGEL and WIEDERMANN), A., i, 609.
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- β -Acetylnaphthylcarbamide** (YOUNG and CLARK), T., 1203; P., 1897, 199.
- Acetyl- β -naphthylmethyltriazole** (PINNER and SALOMON), A., i, 638.
- Acetyl-*o*-nitro-*p*-cyanobenzene** (AUWERS and RÖHRIG), A., i, 342.
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- 1-Acetyl-2:4:4:5:5-pentamethyl- Δ^1 -cyclopentene**. See Deoxymesitylic oxide.
- Acetylpeonol**, brom- (BRÜLL and FRIEDLÄNDER), A., i, 221.
- Acetylphenanthraphenazine** (HINSBERG and GARFUNKEL), A., i, 123.
- Acetyl-*p*-phenetolazophenol** (HEWITT, MOORE and PITT), P., 1897, 159.
- Acetylphenonaphtheurhodine**, from naphthacetol (WITT and DEDICHEN), A., i, 194.
- γ -Acetyl- β -phenylbutyric acid**, and its ethylic salt, amide, methylamide, anilide, oxime and lactone (VORLÄNDER and KNÖTZSCH), A., i, 285.
- Acetylphenyl cyanobenzyl ketone** (WALTHER and SCHICKLER), A., i, 523.
- Acetylphenylhydrazidoxalhydroxamic acid** (THIELE and SCHLEUSSNER), A., i, 380.
- Acetylphenyliminophenylthiobiazoline** (MARCKWALD and BOTT), A., i, 205.
- 4:1:5-Acetylphenylmethylpyrazole** and its methiodide (CLAISEN), A., i, 441.
- 2-Acetyl-1-phenyl-3-methyl-5-pyrazolone** (HIMMELBAUER), A., i, 114.
- 4-Acetyl-1-phenyl-3-methyl-5-pyrazolone** (STOLZ), A., i, 375.
- Acetylphenylosotriazoleazimide** (THIELE and SCHLEUSSNER), A., i, 378.
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- Acetylphloretindisazobenzene** (PERKIN and MARTIN), T., 1152.
- Acetylphloroglucinolazobenzene**, preparation of (PERKIN), T., 190.
- 4-Acetylisophthalic acid**, 5-brom-, methylic salt (ZINCKE and FRANCKE), A., i, 80.
- β -Acetylpropionic acid**. See Levulinic acid.
- α -Acetylisopropyl hexyl ketone** (*dimethyl-3-decadione-2:4*) (KRAMERS), A., i, 590.
- β -Acetyl- α -isopropylpropionic acid** (SPRANKLING), T., 1165.
- Acetyl- β -isopropylsuccinic acid**, ethylic salt (SPRANKLING), T., 1163.
- Acetylsafraninone** and **Acetylsafranin** (FISCHER and HEPP), A., i, 257, 258.
- Acetylsalicylic acid**, and its salts, oxime and phenylhydrazine (BIALOBRZESKI and NENCKI), A., i, 531.
- Acetylsinapic acid**, properties of (GADAMER), A., i, 361.
- Acetylstereocaulic acid** (ZOFF), A., i, 364.
- Acetylsuccinic acid**, ethylic salt and methylic salt (SPRANKLING), T., 1162, 1165.
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phenylhydrazine of, and action of heat on (RUHEMANN and HEMMY), T., 332.
- Acetylsuccinic acid**, γ -brom-, ethylic salt, and the action of heat on (RUHEMANN and HEMMY), T., 333; P., 1897, 53.
- Acetyltartranilide**, preparation of (COHEN and HARRISON), T., 1060.
- Acetylthebaol** and its dibromo-derivative (FREUND and GÖBEL), A., i, 496, 497.
- Acetylthebaolquinone** (FREUND and GÖBEL), A., i, 497.
- Acetylthebenol** (FREUND and MICHAELS), A., i, 496.
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chlor-, and the action of aniline *o*-toluidine, *p*-toluidine, methylaniline and benzyaniline on (DIXON), T., 620, 621, 629; P., 1897, 8.
- Acetyl-5-*p*-tolyl-2-methyltriazole** (PINNER), A., i, 638.
- Acetyltrachylolic acid** and **acetylisotrachylolic acid** (STEPHAN), A., i, 93.
- β -Acetyltricarballic acid**, ethylic salt, action of hydrochloric acid on (EMERY), A., i, 325.
- Acetyltrimethylcatechol**, 6-chlor- (ZINCKE and HODES), A., i, 512.
- Acetyltrimethylcyclohexanol** (KNOEVENAGEL and FISCHER), A., i, 611.
- Acetyltriphenylvinyl alcohol** (BILTZ), A., i, 535.
- ω -Acetylvaleric acid** (FICHTER and GULLY), A., i, 590.
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- Acetylvanillin** (GASSMANN), A., i, 343.
- Acetylzanthoresinotannol** (HILDEBRAND), A., i, 228.
- Achroodextrin**, precipitation of, by certain salts (YOUNG), A., i, 235.
- Achroodextrin, III.**, action of phenylhydrazine acetate on (PRIOR), A., i, 312.
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- $C_7H_4Cl_2O_4$ and its salts (ZINCKE, BERGMANN and FRANCKE), A., i, 509.
- $C_7H_6O_4$, from ethylic acetonedicarboxylate and ethylic succinate (RIMINI), A., i, 26.
- $C_7H_{10}O_5$, from hydroxymethyladipic acid (FICHTER and LANGGUTT), A., i, 591.
- $C_7H_{12}O_4$, from the oxidation of menthol; its dianilide, its behaviour with phenylcarbimide, and its non-identity with propylsuccinic acid (ARTH), A., i, 214.
- $C_7H_{18}O_4$, from diosphenol (BIALOBRZESKI), A., i, 435.
- $C_8H_7ClO_4$, from dimethyltetrachloro-ketocyclopentene, and its salts (ZINCKE and FRANCKE), A., i, 512.
- $C_8H_{10}O_5$ and $C_8H_{10}O_6$, from the oxidation of hæmatoporphyrin (KÜSTER), A., i, 232.
- $C_8H_{12}O_5$, from the oxidation of camphoric acid, and its constitution (BALBIANO), A., i, 253.
- $C_8H_{12}O_5$, from the oxidation of camphoric acid; its anhydride, naphthilic acid (BALBIANO), A., i, 626.
- $C_8H_{14}O_4$, from *iso*-camphor, and its anhydride (ANGELI and RIMINI), A., i, 89.
identity of, with α -isopropylglutaric acid (ANGELI and RIMINI), A., i, 360.
- $C_9H_{12}O_5$ from chlorodiparaconic acid, by the action of sodium amalgam (MYERS), T., 616, 617.
- $C_9H_{14}O_5$, from the action of aluminium chloride on camphoric anhydride; metallic, methylic, ethylic, propylic, *iso*-butylic salts, chloride, amide,

- anilide and phenylhydrazide (BLANC), A., i, 201.
- Acid**, $C_9H_{14}O_4$, from β -thujaketic acid, and $C_9H_{16}O_4$, from thujamenthone (WALLACH), A., i, 246.
- $C_{10}H_{16}NO_2$, from the oxidation of oxysparteine (AHRENS), A., i, 232.
- $C_{10}H_{18}O_3$, from thujamenthone, and its semicarbazone (WALLACH), A., i, 246.
- $C_{11}H_{18}O_5$, from methylenebisdihydroresorcinol and caustic alkali (VORLÄNDER and KALKOW), A., i, 513.
- $C_{12}H_{10}O_3Br_2$, methylic salt of, obtained from the condensation product of ethylic acetonedicarboxylate (JERDAN), T., 1112.
- $C_{12}H_{12}O_8$, obtained by the action of sodium on ethylic acetonedicarboxylate, methylic and ethylic salts of (JERDAN), T., 1111; P., 1897, 168.
- $C_{12}H_{20}O_3$, from sedanonic acid (CIAMICIAN and SILBER), A., i, 483.
- $C_{15}H_{24}N_2O_4$, from the oxidation of oxysparteine (AHRENS), A., i, 232.
- $C_{16}H_{13}NO_5$, from the action of hydriodic acid on corydic acid (DOBBIE and MARSDEN), T., 663; P., 1897, 101.
- $C_{17}H_{16}NO_8$, from the oxidation of corydic acid (DOBBIE and MARSDEN), T., 663; P., 1897, 102.
- $C_{20}H_{30}O_5$, $C_{20}H_{32}O_5$, and $C_{30}H_{38}O_2$, from the oxidation of onoketone (THOMS), A., 201.
- $C_{22}H_{24}N_2O_4$, obtained by heating mesitylglyoxylic acid with hydrazine (BOUVEAULT), A., i, 348.
- $C_{26}H_{50}O_4$, from cyanoceric acid and alcoholic potash, and the action of heat on it (MARIE), A., i, 324.
- $C_{27}H_{42}O_5$, obtained by oxidising oxysterone, copper salt of (MAUTHNER and SUIDA), A., i, 31.
- obtained from α -aminocinnamamide (BAUCKE), A., i, 56.
- from the action of phosphorus and hydriodic acid on cerotic acid (MARIE), A., i, 319.
- diabasic, from distillation of δ -hexolactone- γ -carboxylic acid (FICHTER), A., i, 14.
- lactonic, from the ketodilactone of β -acetylglutaric acid (EMERY), A., i, 326.
- Acids**, effects of, on electrotonic currents of nerve (WALLER), A., ii, 220.
- growth of bacteria in various organic (BOKORNY), A., ii, 380.
- Acids, fatty**, solubility of, in bile (MOORE and ROCKWOOD), A., ii, 150.
- Acids, fatty**, separation of mixtures of (CROSSLEY), T., 580; P., 1897, 21.
- estimation of, in animal organs (DORMEYER), A., ii, 195.
- (free) estimation of, in oils and fats (WALTKE), A., ii, 289.
- estimation of, in soap (WALTKE), A., ii, 195.
- separation of, from resin acids (ULZER and DEFRIS), A., ii, 195.
- halogen derivatives, action of zinc and a ketone, aldehyde, or formate on (REFORMATSKY), A., i, 212.
- Acids, β -hydroxy-**, synthesis of (REFORMATSKY), A., i, 212.
- decomposition of, under the influence of sulphuric or hydriodic acids or of heat alone (REFORMATSKY), A., i, 213.
- Acid, lactonic**, $C_7H_{10}O_4$, from the ketodilactone of β -acetylglutaric acid (EMERY), A., i, 326.
- Acids, organic**, affinity constants and chemical constitution of (SZYSZKOWSKI), A., ii, 310.
- Acids of the oxalic series**, physiological action of (MARFORI), A., ii, 419.
- Acids, volatile**, estimation of, in butter (KARSCH), A., ii, 607.
- Acids** (or their salts or derivatives). See also:—
- Abietic acid.
 - Acetantranillic acid.
 - Acetic acid.
 - Acetoacetic acid.
 - Acetodiphosphorous acid.
 - Acetomethylantranillic acid.
 - Acetonedicarboxylic acid.
 - Acetonylbenzylmalonic acid.
 - Acetonylmalic acid.
 - Aceto-oxalic acid.
 - Acetophenonecarboxylic acid.
 - Acetoxypentadecylic acids.
 - Acetylacrylic acid.
 - Acetylallylenedicarboxylic acid.
 - γ -Acetyl- β -anisylbutyric acid.
 - γ -Acetylbutyric acid.
 - α -Acetyl- β -diphenylpropionic acid.
 - α - and β -Acetylglutaric acids.
 - Acetylactic acid.
 - Acetylleuonic acid.
 - γ -Acetyl- β -phenylbutyric acid.
 - Acetylisophthalic acid.
 - Acetylsalicylic acid.
 - Acetylsinapic acid.
 - Acetylsuccinic acid.
 - Acetyltrachylic and acetyliso-trachylic acids.
 - ω -Acetylvaleric acid.
 - Aconitic acid.
 - Aconitoxalic acid.
 - Adipic acid.

Acids. See:—

Adipocarboxylic acid (*butanetricarboxylic acid*).
iso-Allylenetricarboxylic acid.
 Allylthiohydantoin- α -propionic acid.
 Amalic acid.
 Anhydracetonebenzilcarboxylic acid.
 α -Anhydrobenzillevalinic acid.
i-Anhydrocamphoronic acid.
 Anhydrocapraric acid.
 Anhydro-oxalaconitic acid.
 Anhydro- β -oximido-*o*-nitrobenzoyl-oxalic acid.
 α -Anilinoarachidic acid.
 Anilinobenzylacetoacetic acid.
 β -Anilinodicarboxylglutaric acid.
 Anilinodinitrobenzoic acid.
 1-Anilin-2:5-diphenylpyrroline-3:4-dicarboxylic acid.
 Anilinoethylenedicarboxylic acid.
 Anilinomethylenemalononic acid.
 Anilinophenyldihydroresorcylic acid.
 Anisaldehydetrimethylenethionamic acid.
 Anisic acid.
 o -Anisidinediazosulphonic acid.
 Anisylidihydroresorcylic acid.
 Anthracenecarboxylic acid.
 Anthranilic acid.
 Anthraquinonecarboxylic acid.
 Antiaronic acid.
 Arachidic acid.
 Aspartic acid.
 Atranoric acid.
 Atranorinic acid.
 Atraric acid.
 Azobenzoic acids.
 Azo-opianic acid.
 o - and p -Azoxybenzoic acids.
 Barbituric acid.
 Benzaldehydedicarboxylic acid.
 Benzaldehyde-ethylenethionamic acid.
 Benzaldehydetrimethylenethionamic acid.
 o -Benzaminesulphonic acid.
 Benzeneazo-amidonaphthalenesulphonic acid.
 Benzeneazo-amidonaphthalenesulphonic acids.
 Benzeneazohydroxybenzoic acid.
 Benzeneazohydroxynaphthalenesulphonic acids.
 Benzeneazonaphthalenesulphonic acids.
 Benzenediazoic acid.
 Benzenediazophenyldihydroresorcylic acid.
 Benzenediazotic acid.
 Benzenesulphone-*o*-amidocyclohexanecarboxylic acid.
 Benzenesulphonic acid.
 Benzenylamidoximebutyric acid.

Acids. See:—

Benzenylbromoximebutyric acid.
 Benzenylchloroximebutyric acid.
 Benzoic acid.
 o -Benzoicsulphinideacetic acid.
 o -Benzoicsulphinidecarboxylic acid.
 Benzomethylantranilic acid.
 Benzophosphinic acid.
 Benzophosphonic acid.
 Benzoylacetic acid.
 β -Benzoyl- α -benzylpropionic acid.
 Benzoyl- β -butylenedicarboxylic acid.
 β -Benzoyl- α -ethylpropionic acid.
 Benzoylglutaric acid.
 Benzoylguaiaretic acid.
 β -Benzoyl- α -methylpropionic acid.
 γ -Benzoyl- β -phenylbutyric acid.
 γ -Benzoyl- β -phenylethylmalonic acid.
 β -Benzoylpicolinic acid.
 Benzoylpropionic acid.
 β -Benzoyl- α -propylpropionic acid.
 Benzoylpyruvic acid.
 Benzoyltrachylolic acid.
 Benzylamino-oxalic acid.
 Benzylaminoethylenedicarboxylic acid.
 Benzylfumaramic acid.
 Benzylglutaconic acid.
 Benzylidene-*m*-hydroxylaminobenzoic acid.
 Benzylidenephenyldihydroresorcylic acid.
 Benzylmalonic acid.
 Benzyl-*d*-santonous and benzyl-*l*-santonous acids.
 Betoreinolcarboxylic acid.
 Biliverdic acid.
 Bis-acetoxyphenylacrylic acid.
 Bis-benzoyloxycrotonic acid.
 Bis-benzoyloxyphenylacrylic acid.
 Bis-hydroxycrotonic acid.
 Bisthiopyrotartaric acid.
 Butanedicarboxylic acid.
 p -Butylbenzoic acid.
 Butylcarbamic, *iso*-butylcarbamic, and *sec*-butylcarbamic acids.
 p -*iso*-Butylphenoxyacetic acid.
 Butyric and *iso*-butyric acids.
iso-Butyroylanisylbutyric acid.
 Butyroyllactic acid.
 Caffeidene-carboxylic acid.
 Caffetannic acid.
 Callopismic acid.
 Camphandioic acid.
 Camphanic acid.
 Camphanonecamphanonic acid.
 Camphoic acid.
 Campholenoxidic acid.
 Campholic acid.
 Campholonic acid.
 Campholytic acids.
 Camphoramic acid.
iso-Camphoranic acid.

Acids. See :—

Camphoric acid.
 Camphormethylamic acid.
i-Camphoronanilic acid.
 Camphoronic and *iso*-camphoronic acids.
 Camphoroxalic acid.
 Camphorsulphonic acid.
 Camphotricarboxylic acid.
 α -Camphylic acid.
 Camphylphenylpyrazolecarboxylic acid.
 Caperatic acid.
 Capraric acid.
iso-Carbopyrottritic acid.
 Carboxyphenylmalonic acid.
 Carminic acid.
 Caronic acids.
 Cerotic acid.
 Choleic acid.
 Cholic acid.
 Chrysanic acid.
 Chrysocetraric acid.
 Chrysophanic acid.
 Cincholeuponic acid.
 Cinchonic acid.
 Cinnamaldehyde-ethylenethionamic acid.
 Cinnamaldehydetrimethylenethionamic acid.
iso-Cinnamenylmandelic acid.
 Cinnamic acid.
 Cinnamoylphenylacetic acid.
 Citraconic acid.
 Citrazinic acid.
 Citric acid.
 Citronellic acid.
 Coccinic acid.
 Cochinellie acid.
 Convolvulic acid.
 Convolvulinolic acid.
 Corydic acid.
 Coumarilic acid.
 Cresotic acid.
 Crotonic acid.
 ψ -Cumenediazosulphonic acid.
 ψ -Cumylglyoxylic acid.
 Cyanic acid.
 Dammarolic acid.
 Decenoic acid.
 Decoic acids.
iso-Dehydracetic acid.
 Dehydrothiohydantoinacetic acid.
 Deoxalic acid.
 Deoxybenzoiccarboxylic acid.
 Deoxycholic acid.
 Desylacetic acid.
 Desyleneacetic acid.
 α -Desylene- γ -phenylmethylitaconic acid.
 Diacetylformic acid.
 Diacetylmalic acid.

Acids. See :—

Diacetylgluconic acid.
 Diacetylmesoxalic acid.
 Diacetylsuccinic acid.
 Diazobenzenecetoacetic acid.
 Diazobenzenesulphonic acid.
 Diazobenzoic acid.
 Dibenzoylfumaric acid.
 Dibenzoylglyceric acid.
 Dibenzoylmalic acid.
 Dibenzoylsuccinic acid.
 Dicumandioic acid.
 Dicumphylic acids.
 Dicarboxyglutaconic acid.
 Diethoxybenzoic acid.
 Diethoxymalonic acid.
 3 : 5-Diethoxyphthalic acid.
 Diethoxyphthalidecarboxylic acid.
 α -Diethoxypropionic acid.
p-Diethylaminobenzoic acid.
 Diethylaminoethylenedicarboxylic acid.
 Diethylbarbituric acid.
 Diethylcyanacetic acid.
 Diethylphosphine-oxide-*p*-benzoic acid.
 Diethylphosphobetaine-*p*-benzoic acid.
 1 : 3-Diethyluric acid.
 1 : 3-Diethyl- ψ -uric acid.
 Diethylviolinic acid.
 Dihydrocampholytic acid.
 Dihydrocamphylic acid.
 Dihydrotropilidenecarboxylic acid.
 α -*p*-Dihydroxybenzylmalonic acid.
 Dihydroxycinnamic acid.
 Dihydroxydihydrocampholenic acid.
 Dihydroxydimethylacetoacetic acid.
 $\alpha\beta$ -Dihydroxy- $\alpha\beta$ -diphenylglutaric acid.
 Dihydroxynaphthalenesulphonic acid.
 Dihydroxystearic acid.
 Diketohydrindenecarboxylic acid.
 Diketohydronaphthalenecarboxylic acid.
 Dilevulinic acid.
 Dimethoxybenzoic acid.
 Dimethoxybenzoylpropionic acid.
 3 : 5-Dimethoxyphthalic acid.
 Dimethoxyphthalidecarboxylic acid.
 Dimethylacetoacetic acid.
 Dimethylacrylic acid (*pentenoic acid*).
 Dimethylasculetic acid.
 Dimethylanilinesulphonic acid.
 Dimethylbarbituric acid.
 2 : 4-Dimethylbenzoic acid.
 2-Dimethyl-3 : 4-butanonalic acid.
 Dimethylbutinenecarboxylic acid (*heptenoic acid*).
 $\beta\delta$ -Dimethylbutylenecarboxylic acid (*heptenoic acid*).
 Dimethyldihydroresorcylic acid.
 $\alpha\alpha$ -, and $\alpha\beta$ -Dimethylglutaric acids

Acids. See:—

- Dimethylglycidic acids.
- 1 : 2-Dimethylcyclohexane-4-carboxylic acid.
- 1 : 3-Dimethylcyclohexane-4-carboxylic acid.
- Dimethylhexanoic acid.
- 1 : 2-Dimethylcyclohexene-4-carboxylic acid.
- 1 : 3-Dimethylcyclohexene-4-carboxylic acid.
- Dimethylhexenoic acids.
- 1-Dimethyl-2-keto-4-carboxyadipic acid.
- Dimethyllevulinic acid.
- Dimethylmalic acid.
- 2 : 6-Dimethyloctic acid (*decoic acid*).
- Dimethyloxamic acid.
- Dimethylphosphine-oxide-*p*-benzoic acid.
- Dimethylpimelic acid (*heptanedicarboxylic acid*).
- Dimethylcyclopropanedicarboxylic acid.
- 2 : 4-Dimethylpyridine-3-carboxylic acid.
- 2 : 5-Dimethylpyrroline-3 : 4-dicarboxylic acid.
- Dimethylsuccinic acid.
- Dimethylthiohydantoin- α -propionic acid.
- 1 : 2 : 5-Dimethyltoluidine-*m*-sulphonic acid.
- Dimethyltricarballoylformic acid.
- Dimethyltricarballic acid.
- Dimethyltrimethylenecarboxylic acid.
- Dimethyluric acids.
- Dimethylviolic acid.
- Diosphenolic acid.
- Diparaconic acid.
- Diphenacylacetic acid.
- Diphenacycyanacetic acid.
- Diphenic acid.
- Diphenoxymalonic acid.
- γ -Diphenyl- α -benzylidenetartaric acid.
- Diphenylbutyric acid.
- $\beta\psi$ -Diphenylbutyric acid.
- Diphenylcrotonic acid.
- 1 : 2-Diphenyldiketodihydropyrroline-3-carboxylic acid.
- 1 : 4-diphenyl-2 : 6-dimethyldihydropyridine-3 : 5-dicarboxylic acid.
- Diphenylfumaric acid.
- Diphenylitaconic acid.
- Diphenylmaleic acid.
- γ -Diphenylmethylaminesulphonic acid.
- Diphenylcyclopentenonethyloic acid.
- β -Diphenylpropionic acid.
- 2 : 5-Diphenylpyrroline-3 : 4-dicarboxylic acid.

Acids. See:—

- cyclo-Diphenyltetrazoliumcarboxylic acid.
- Diphenylthiohydantoin- α -propionic acid.
- Diphenyl-*o*-vinylbenzoic acid.
- Dipicolinic acid.
- Dipulvic acid.
- Divaricatic acid.
- Di-xylophosphonic acid.
- Durenecarboxylic acid.
- Durylic acid.
- Ellagic acid.
- Ellagitannic acid.
- Erythrophleic acid.
- Ethenyldianthranilic acid.
- α -Ethoxyacrylic acid.
- α -Ethoxyarachidic acid.
- Ethoxybenzoic acid.
- Ethoxymethyleneacetoacetic acid.
- Ethoxymethylenemalonic acid.
- Ethoxyphenyl-*m*-diazinecarboxylic acid.
- Ethoxyphenylsuccinamic acid.
- Ethoxyphthalidecarboxylic acid.
- α -Ethyl- β -acetopropionic acid.
- β -Ethylacetylsuccinic acid.
- Ethyladipic acids.
- Ethylapophyllenic acid.
- Ethylbenzhydroximebutyric acid.
- o*-Ethylbenzoic acid.
- Ethylbenzoylcarboxylic acid.
- Ethylbutanetricarboxylic acid.
- α - and β -1-Ethylcincholeuponic acids.
- Ethylenedicarboxylic acid.
- Ethylenetetracarboxylic acid.
- Ethylenethionamic acid.
- Ethylfumaric acid.
- β -Ethylglutaric acid.
- Ethylideneapicidic acid.
- Ethylidenelactic acid.
- Ethylisophthalic acid.
- Ethylphosphinous acid.
- Ethylthioglycollic acid.
- Ethyl-*p*-toluidinophenyldihydroresorcylic acid.
- Evernic acid.
- Fenchonephosphoric acid.
- Fillic acid.
- Fisetinsulphonic acid.
- Fluoresceincarboxylic acid.
- Formic acid.
- Fumaric acid.
- Furfuraldehyde-ethylenethionamic acid.
- Furfuraldehydetrimethylenethionamic acid.
- Furfuryldihydroresorcylic acid.
- Galactic acid.
- Galic acid.
- Gallotannic acid.
- Glauconic acid.

Acids. See :—

α -Glucosheptonic acid.
 α -Gluconic acid.
 Glucosidic acid.
 Glutaconic acid.
 α -Glyceric acid.
 Glycollic acid.
 Glyoxylic acid.
 Guaiacic acid.
 Guaiacetic acid.
 Guaiaretic and *iso*-guaiaretic acids.
 α - and γ -Gulonic acids.
 Hæmatommic acid.
 Hæmatomminic acid.
 Hemimellithenecarboxylic acid.
 Hemipinamic acid.
 Hemipinic acid.
 Hemipinobenzylamic acid.
 $\delta\epsilon$ -Heptenoic acid.
 Hexahydrocinchonimeronic acid.
 Hexahydro-*iso*-phenylacetic acid.
 Hexahydroquinolinic acids.
 Hexahydro-*p*-xylic acid.
 Hexanesulphonic acid.
 Hexanetricarboxylic acid.
 5-Hexanoloic 4-methylloic acid.
 Hexenoic acids.
 Hexoic (*caproic*) acid.
 Hexo- δ -lactone- δ -carboxylic acid.
 Hexylcarbamic acid.
m-Homo-anthranilic acid.
 Homocaffeidinecarboxylic acid.
 Homogentisic acid.
 Homohydroxyhemimellitic acid.
 Humic acid.
 Hydantoin- α -propionic acid.
 Hydrazidoacetic acid.
o-Hydrazobenzoic acid.
 Hydroalantodicarboxylic acid.
 Hydroalantolactonecarboxylic acid.
 Hydroalantolic acid.
 Hydrobenzimidido-acetoacetic acid.
 Hydrocinnamic acid.
 Hydrosedanolidicarboxylic acid.
 Hydrothiomaleic acid.
 α -Hydroxyarachidic acid.
 Hydroxybenzoic acids.
 Hydroxybenzylidenehydrazidoacetic acid.
 α -Hydroxyisobutyric acid.
 Hydroxyisocamphoronic acid.
 Hydroxycamphorsulphonic acids.
 Hydroxycerotic acid.
 Hydroxycinnamic acid.
 Hydroxydihydrocampholenic acid.
 Hydroxydimethyltricarballic acid.
 Hydroxydiphenylacetic acid.
 Hydroxyethoxydiphenylacetic acid.
 Hydroxy- α -ethyladipic acid.
 Hydroxyfluoronecarboxylic acid.
 Hydroxycycloheptanecarboxylic acid.
 δ -Hydroxyheptonic acid.

Acids. See :—

Hydroxyhomopinonic acids.
 Hydroxyhydrindenedicarboxylic acid.
 1'-Hydroxyindene-1'-carboxylic acid.
 Hydroxyindole-2'-carboxylic acid.
 Hydroxyketohydrindenedicarboxylic acid.
 Hydroxylaminebutyric acid.
 Hydroxylauric acid.
 α -Hydroxy- α -methyladipic acid.
 Hydroxymethyleneacetoacetic acid.
 Hydroxymethylenemalononic acid.
 1'-Hydroxy-2-methylindole-2'-carboxylic acid.
 3-Hydroxy-1-methylcyclopentenecarboxylic acid.
 2-Hydroxy-1-methylcyclopentenecarboxylic acid.
 β -Hydroxy- δ -methyl- α -isopropylhexoic acid (*hydroxydecoic acid*).
 Hydroxy-3-methylquinoline-4-sulphonic acid.
 1:2:4'-Hydroxynaphthalenedisulphonic acid.
 1:4'-Hydroxynaphthalenesulphonic acid.
 Hydroxynaphthaquinonecarboxylic acid.
 Hydroxyisonicotinic acid.
 Hydroxypentadecylic acid.
 Hydroxycyclopentenecarboxylic acid.
 α -Hydroxypentenoic acid.
 α -Hydroxy- γ -phenylcrotonic acid.
 o -Hydroxyphenylsuccinic acid.
 Hydroxypiperidinecarboxylic acids.
 Hydroxypropionylbromo-*iso*-phthalic acid.
 6-Hydroxy-2-*p*-isopropylphenyl-*m*-diazine-4-acetic acid.
 6-Hydroxy-2-*p*-isopropylphenyl-*m*-diazine-4-carboxylic acid.
 Hydroxypyrotartaric acid.
 Hydroxyquinolinesulphonic acids.
 3'-Hydroxyquinoxaline-2'-carboxylic acid.
 α -Hydroxysantononic acid.
 Hydroxystearic acid.
 Hydroxysuccinic acid.
 Hydroxysulphaminebenzoic acid.
 m -Hydroxy-*p*-tetrethyl-diaminotriphenylmethane-*p*-sulphonic acid.
 5-Hydroxy-*o*-toluic acid.
 Hydroxytrimethylglutaric acid.
 Hydroxytrimethylsuccinic acid.
 β -Hydroxy- $\alpha\gamma$ -trimethylvaleric acid.
 Hydroxyuvitic acid.
 α -Hydroxyisovaleric acid.
 Hyposantonous acid.
 Igasuric acid.
 Indole-2-carboxylic acid.
 Indoxylsulphuric acid.
 Ipomic acid.

Acids. See :—

Isanic acid.
 Isethionic acid.
 Itaconic acid.
iso-Ketocamphoric acid.
 Keto-*iso*-camphoronic acid.
 Keto-*iso*-hexane-*aaβ*-tricarboxylic acid.
 Ketohydrindenecarboxylic acid.
 Ketolactonic acid.
 Lactic acid.
 Lanopalmic acid.
 Lauronic acid.
 Lauronic acid.
 Lecasteric acid.
 Leuponic acid.
 Levulinic acid.
 ψ -Lutidostyryl-5-carboxylic acid.
 Lyxonic acid.
 Maleic acid.
 Maleinuric acid.
 Malic acid.
 Malonic acid.
 Malonyl- β -butylenetricarboxylic acid.
 Mandelic acid.
d and *l*-Mannonic acids.
 Mannosaccharic acid.
 Matétannic acid.
 Melilotic acid.
 Melissic acid.
 Menthonenic acid.
 Mesaconic acid.
 Mesitylacetic acid.
 Mesitylcarboxylic acid.
 Mesitylenediazosulphonic acid.
 Mesitylglyoxylic acid.
 Mesoxalic acid.
 Methenylbisacetoacetic acid.
 Methenylbismalonic acid.
 Methoxybenzoic acid.
 Methoxybenzoylcarboxylic acid.
p-Methoxycinnamic acid.
 Methoxydimethylacetoacetic acid.
 Methoxymethylenacetoacetic acid.
 Methoxymethylenemalonic acid.
 Methoxyphthalic acid.
 5-Methoxyphthalididecarboxylic acid.
 Methoxyphthalonic acid.
 Methoxysulphaminebenzoic acids.
 Methoxysulphaminetoluic acid.
o-Methoxytoluenesulphonic acid.
 4-Methoxy-*m*-xylene-6-sulphonic acid.
 Methylacetoacetic acid.
 α -Methyl- β -acetopropionic acid.
 Methylacrylic acid.
 Methyladipic acid.
 Methylaspartic acid.
 Methylbenzhydroximebutyric acid.
 $\alpha\beta$ -Methylbutinenecarboxylic acid.
 $\alpha\alpha\beta$ -Methylbutylenecarboxylic acid (*hexenoic acid*).
 Methyl-*p*-butyrocoumaric acid.

Acids. See :—

Methylcarbamic acid.
 Methylcincholeuponic acid.
p-Methyldeoxybenzoin-*o*-carboxylic acid.
 Methyl-*dimethyl*propanoic acid.
 Methyleneacetoacetic acid.
 Methyleneamalonc acid.
 Methylenephthalimidylacetic acid.
 Methyleneethylacetic acid (*valeric acid*).
 β -Methyl- α -ethylglutaric acid.
 Methyleneethylparabanic acid.
 1-Methylcyclohexene-2:5-dicarboxylic acid.
 2-Methylindole-2'-carboxylic acid.
 Methylmalamic acid.
 2'-Methylisonicotinic acid.
 Methylnoropianic acid.
 2:6-Methyl-3-octanonic acid.
 Methylparaconic acid.
 Methylphenylpyruvic acid.
 Methyl-*iso*-phthalic acid.
 Methylphthalimidineacetic acid.
 Methylphthalophosphonic and methyl-*iso*-phthalophosphonic acids.
 4-Methylpicolinic acid.
 α -Methylpimelic acid.
 1-methylcyclopropane-2-carboxylic acid.
 1-Methylcyclopropane-2:2-dicarboxylic acid.
 1-Methyl-4-*isopropyl*- Δ^1 -cyclohexen-3-one-4-carboxylic acid.
 Methylpyridinetricarboxylic acid.
 2'-Methylquinoline-3-carboxylic acid.
 Methylsinapic acid.
 Methylsuccinic acid (*propanedicarboxylic acid*).
 Methylterephthalic acid.
 Methyltetrahydroterephthalic acid.
 Methylthioglycollic acid.
 1-Methyltrimethylene-2-carboxylic acid.
 1-Methyltrimethylene-2:2-dicarboxylic acid.
 7-Methyl- ψ -uric acid.
 Mucobromic acid.
 Mucohydroxybromic acid.
 Mucophenoxybromic and mucophenoxychloric acids.
 Myronic acid.
 β -Naphthalenediazoic acid.
 Naphthalene-1:1'-dicarboxylic acid.
 Naphthalenedisulphonic acid.
 Naphthalenesulphonic acid.
 Naphthaquinolcarboxylic acid.
 Naphthaquinonecarboxylic acid.
 β -Naphthofurancarboxylic acid.
 α - and β -Naphthoic acids.
 Naphtholdisulphonic acids.

Acids. See:—

Naphtholsulphonic acid.
 Naphthylacetic acids.
 α -Naphthylaminesulphonic acids.
 Naphthylenediaminesulphonic acid.
 Naphthylenedioxamic acid.
 β -Naphthylmaleamic acid.
 Naphthylloxamic acid.
iso-Nicotinic acid.
iso-Nitramineacetic acid.
 Norpic acid.
 Nucleic acid.
 Octodecylmalonamic acid.
 Octodecylmalonic acid.
 Oleic acid.
 Omminic acid.
 Oxalacetic acid.
 Oxalic acid.
 o -Oxalylbenzoic acid.
 Oxalyldiglycocine (*oxamidediacetic acid*).
 Oxamethaneacetic acid.
 Oxamic acid.
 Oximaminoxalic acid.
iso-Oxazalone- β -carboxylic acid.
 Palmitic acid.
 Papaveric acid.
 Parmelialic acid.
 Parellic acid.
 Pentadecylcarbamic acid.
 Pentadecylic acid.
 Pentanetricarboxylic acids.
cyclo-Pentanetrione-1 : 3-dicarboxylic acid.
 Perthiocyanic acid.
iso-Phenethylmandelic acid.
 Phenetidinesulphonic acid.
 p -Phenetidinoanisylidihydroresorecylic acid.
 p -Phenetidinophenylidihydroresorecylic acid.
 Phenoxyacetic acid.
 4-Phenoxybenzoic acid.
 Phenoxyethyl- o -aminosulphobenzoic acid.
 Phenoxymaleic acid.
 3-Phenoxyvaleric acid.
 Phenylacetic, ψ -phenylacetic, and *iso*-phenylacetic acids.
 Phenylacetophenylacetic acid.
 Phenylallopahnic acid.
 Phenylallylacetate acid.
 Phenylallylmalonic acid.
 2-Phenyl-1-aminoazobenzenediketodihydropyrroline-3-carboxylic acid.
 β -Phenylazocrotonic acid.
 β -Phenylazoisovaleric acid.
 Phenylcarbamic acid.
 Phenylcinnamic acids.
 Phenylidihydroresorecylic acid.
 Phenylidihydroresorecyloxalic acid.

Acids. See:—

2-Phenylidiketodihydropyrroline-3-carboxylic-1-*m*-benzoic acid.
 2-Phenyl-4 : 6-dimethyldihydropyrroline-3 : 5-dicarboxylic acid.
 Phenylidimethyldihydroresorecylic acid.
 1-Phenyl-3 : 4-dimethylpyrazole-5-oxy-acetic acid.
 Phenylidimethylpyrazoloneacetic acids.
 1-Phenyl-3 : 4-dimethyl-5-pyrazolone-2-carboxylic acid.
 Phenylidithienylmethanetrissulphonic acid.
 p -Phenylenediaminodiethylenetetra-carboxylic acid.
 o -Phenylenediaminoethylenedicarboxylic acid.
 Phenylenedioxamic acid.
 Phenylglyceric acid.
 Phenylglycine- o -carboxylic acid.
 Phenylglyoxydicarboxylic acid.
 Phenylglyoxylic acid.
 Phenylhexahydrophenylamine- o -carboxylic acid (*o*-anilinocyclohexane-carboxylic acid).
 Phenylhydrazidobenzoic acid.
 Phenylhydrazidoxalhydroxamic acid.
 Phenylhydrazinedisulphonic acid.
 Phenylhydrazineglyoxylic acid.
 Phenylhydrazinesulphonic acid.
bis-Phenylhydroxyacrylic acid.
 Phenyl- p -hydroxytolylacetic acid.
 Phenylketo-*m*-diazinecarboxylic acid.
 β -Phenyllactic acid.
 Phenylmalonamic acid.
 Phenylmalonic acid.
 2' : 3-Phenylmethylidiketohydrindene-acetic acid.
 Phenylmethylitaconic acid.
 γ -Phenylmethyl- α -isopropylene-itaconic acid.
 1-5-Phenylmethylpyrazole-4-carboxylic acid.
 1-Phenyl-3-methylpyrazole-5-oxy-acetic acid.
 Phenylmethylpyrazoloneacetic acids.
 1-Phenyl-3-methyl-5-pyrazolone-2-carboxylic acid.
 2-Phenyl-1- β -naphthylidiketodihydropyrroline-3-carboxylic acid.
allo-Phenylnitrocinnamic acids.
 2-Phenyl-1-*m*-nitrophenylidiketodihydropyrroline-3-carboxylic acid.
 Phenylsotriazolesulphonic acid.
 Phenylloxamic acid.
 Phenylphthalamic acid.
 Phenylpropionic acid.
 Phenylpropionic acid.
 1-Phenylpyrazole-4 : 5-dicarboxylic acid.
 Phenylpyrimidonecarboxylic acid
 Phenylpyruvic acid.

Acids. See:—

Phenylsuccinic acid.
 Phenylsuccinic acid.
 Phenylsulphonamic acid.
 Phenylsulphone-acetic acid.
 Phenylthiocarbazinic acid.
o-Phenylthiouraminocyclohexanecarboxylic acid.
 2-Phenyl-1-*p*-tolyl diketodihydropyrrol-
 ine-3-carboxylic acid.
 4-Phenyl-1-*p*-tolyl-2:6-dimethyl-
 dihydropyridine-3:5-dicarboxylic acid.
 Phenylvaleric acid.
 Phosphocarnic acid.
 Phthalanil-*o*-carboxylic acid.
 Phthalic acid and *iso*-Phthalic acid.
 Phthalophenylamic acid.
 Phylloporpuric acid.
 Physodic acid.
 Picolinelactic acid.
 Picolinic acid.
 Picrolonic acid.
 Picrylsalicylic acid.
 Pilocarpic acid.
 Pilocarpidic acid.
d-Pimaric acid.
 Pinonic acids.
 Pinophanic acid.
 Pinoylformic acid.
 Piperidylethylenedicarboxylic acid.
 Piperonylic acid.
 Polymethacrylic acid.
 Propionic acid.
 Propionylacetic acid.
 Propionyl*iso*phthalic acid.
 4-Propoxy-*m*-xylene-6-sulphonic acid.
α-iso-Propyl-β-acetopropionic acid.
β-iso-Propylacetosuccinic acid.
 Propylenedicarboxylic acid (*glutaconic*
acid).
 Propylenetetracarboxylic acid (*dicarboxyglutaconic acid*).
 Propylglutaric and *isopropylglutaric*
acids.
*iso*Propylideneacetoacetic acid.
 Propylmalonic acid.
iso-Propylsuccinic acid (*pentanedicarboxylic acid*).
 Protocatechuic acid.
 Psoromic acid.
 Purgic acid.
 Pyrazinedicarboxylic acids.
 Pyrazine-2:3:5-tricarballic acid.
 Pyridine-2:6-dicarboxylic acid.
 Pyridinelactic acid.
 2:3:4-Pyridinetricarbomonamic acid.
 2:3:4-Pyridinetricarbodiamic acid.
 2:3:4-Pyridinetricarboxylic acid.
 Pyroamaric acid.
 Pyromucic acid.
 Pyronetricarboxylic acid.
 Pyropapaveric acid.

Acids. See:—

Pyruvic acid.
 Pyruvodianthranilic acid.
 Pyruvodi-*m*-homoanthranilic acid.
 Quinic acid.
 Quinotannic acid.
 1-Quinolyloxyacetic acid.
 Quinolylypyruvic acid.
 Quinone-*o*-aminobenzoic acid.
 Quinone-*bis-o*-aminocinnamic acid.
 Quinonedimalonic acid.
 Quinone-*o*-iminocinnamic-*bis-o*-amino-
 cinnamic acid.
 Racemic acid (under tartaric acid).
 Ramalic acid.
 Resorcinoldithiocarboxylic acid.
 α-Rhamnohexonic acid.
 Rhizocarpic acid.
 Rhizocarpinic acid.
 Ribonic acid.
 Ricinoleic acid.
 Roccellic acid.
 Saccharic acid.
 Saccharinic and *iso*-saccharinic acids.
 Salazinic acid.
 Salicylaldehyde-ethylenethionamic
acid.
 Salicylaldehydetrimethylenethionamic
acid.
 Salicylic acid.
 Santonous acid.
 Sedanolic acid.
 Sedanonic acid.
 Sinapic acid.
 Sordidic acid.
 Stearic acid.
 Stereocaulic acid.
 Stryphnic acid.
 Styryldihydroresorcylic acid.
 Succinic acid.
 Succinobenzylamic acid.
 Succinophenylamic acid.
 Succinyl-β-ureidopropionic acid.
m-Sulphaminebenzoic acid.
o-Sulphaminebenzoic acid.
 Sulphanilichydrazosulphonic acid.
 Sulphobenzenediazosulphonic acid.
o-Sulphobenzoic acid.
 Sulphocamphoric acid.
 Sulphocamphylic acid.
 5-Sulphosalicylic acid.
 Tanacetogendicarboxylic acid.
 Tannic acid.
 Tartaric acid.
meso-Tartaric acid.
 Terebic acid.
 Terephthalic acid.
 Terpenylic acid.
 Tetrahydro*iso*phenylacetic acid.
 Tetrahydrophthalobutylamic acid.
 Tetrahydroquinoline-1-sulphonic acid.
 Tetrahydroxydecoic acid.

Acids. See:—

Tetrahydroxylic acids.
p-Tetretthyldiaminotriphenylmethane-*p*-sulphonic acid.
 Tetramethylsuccinic acid.
 Tetramethyluric acid.
p-Tetramethyldiaminotriphenylmethane-*p*-sulphonic acid.
 Thiodimaleic acid.
 Thiohydantoinacetic acid.
 Thiophanic acid.
 Thiophaninic acid.
 Thujaketonic acid.
 Thymic acid.
 Toluenediazoic acid.
 Toluenediazosulphonic acids.
 Toluic acid.
p-Toluidinodimethyldihydroresorcylic acid.
p-Toluidinophenyldihydroresorcylic acid.
p-Tolyldimethylphosphine-chloride-acetic acid.
 α -*o*-Tolylenediaminoethylenedicarboxylic acid.
 Tolyhydrazinesulphonic acid.
 o - and *p*-Tolylmaleamic acids.
p-Tolyloxyacetic acid.
 Trachyloic and *iso*-trachyloic acids.
 o - and *p*-Triazolebenzoic acids.
 Tribenzoylpurgic acid.
 Tricarballic acid.
 Triketohexamethylene-1 : 3-dicarboxylic acid.
 Triketonaphthalenecarboxylic acid.
 Triketopentamethylene-1 : 3-dicarboxylic acid.
 Trimellithic acid.
 Trimethylacetic acid (*valeric acid*).
 2 : 3 : 4-Trimethylbenzoic acid.
 Trimethylgallic acid.
 Trimethylglutaconic acid.
iso-Trimethylglutaconic acid.
 Trimethylglutaric acid.
 Trimethylheptanoldioic acid.
 Trimethylmandelic acid.
 Trimethylsuccinic acid.
 Trimethyltricarballic acid.
 1 : 3 : 7-Trimethyl- ψ -uric acid.
 Triphenodioxazinedicarboxylic acid.
 Triphenylactic acid.
 Trithiodilactylic acid.
 Tropinic acid.
 Uracilcarboxylic acid.
 Uramidophenoxyacetic acid.
 Uramidophenyloxamic acid.
 Urethanecyclohexanecarboxylic acid.
 Uric acid.
 ψ -Uric acid.
 Usnic acids.
iso-Uvic acid.
 Valeric acid and *iso*-valeric acid.

Acids. See:—

Vanillic acid.
 Ventosaric acid.
 Veratric acid.
 Vinaconic acid.
 Xanthic acid.
 Xanthophanic acid.
 Xylenediazosulphonic acid.
 1 : 3 : 4-Xylenoxyethylphthalamic acid.
 Xyletinic acid.
 Xylonic acid.
 Xylophosphonic acid.
 Zeoric acid.
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 Acetophloroglucinol.
 Aldol.
 Allylic alcohol.
 Amylaminohydroxyquinone.
 Amylic alcohols.
 Anilino-furfuryldihydroresorcinol.
 Anilinophenyldihydroresorcinol.
 Anilino-vanillin.
 Anthragallol.
 Asaresinotannol.
p-Benzoylbenzylic alcohol.
p-Benzoyltriphenylcarbinol.
 Benzylic alcohol.
 Benzylmethylcyclohexanol.
iso-Butylallylcarbinol (*octylenic alcohol*).
 Butylaminomethylic alcohol.
sec-Butylcarbinol.
 Butylic and *iso*-Butylic alcohols.
 Camphorpinacone.
 Carnaubylic alcohol.
 Carvacrol.
 Catechol.
 Cerylic alcohol.
 Cetylic alcohol.
 Cholestendiol.
 Cholestenol.
 Cholesterol.
 Cineol.
 Cinnamyllic alcohol.
 Citronellol.
 Coprosterol.
 Cresol.
 Cresorcinol.
 ψ -Cumenol.
 Diamylenic alcohol.
iso-Dibutylenic alcohol.
iso-Dibutylic alcohol (*octylic alcohol*).
 Diethylphloroglucinol.
 Dihydroresorcinol.
 Dihydroxydiphenyloxamide.
 Dihydroxyflavone.
 Dihydroxynaphthalene.
 Dihydroxyphenylcoumarin.
 Dihydroxyphenylic ether.
 Dihydroxystyrene.
 1 : 2-Dihydroxy-1 : 2 : 4 : 5-tetra-phenylcyclohexane.
m-Dimethylaminophenol.
 Dimethylcatechol.
 Dimethyldihydroresorcinol.
 Dimethylethylcarbinol (*amylic alcohol*).
 1 : 3-Dimethylcyclohexanol-5.
p-Dimethyl-*p*-hydroxybenzylic alcohol.
 Dimethylcyclohexylene glycol.
 Dimethylisopropylcarbinol.
 Diosphenol.
 Disopropylglycol.

Alcohols and Phenols. See :—

Dracoresinotannol.
 Ethylallylcarbinol (*hexenylic alcohol*).
 Ethylanilinophenyldihydroresorcinol.
 Ethylic alcohol.
 Eugenol and *iso*-eugenol.
 Furfuryldihydroresorcinol.
 Geraniol.
 Glycerol.
 Glycol.
 Guaiacol.
 Hæmosterol.
cyclo-Hexanols.
 Hippocoprosterol.
 Hydroxyacetophenone.
 Hydroxybenzophenone.
 4-Hydroxy-2 : 5-dimethylbenzylic alcohol.
 Hydroxyethyl-*o*-benzoicsulphinide.
m-Hydroxyketocoumaran.
 Hydroxylaminodihydroxy*isobutane*.
 Hydroxymethoxy- β -phenylcoumarin.
 Hydroxymethoxystyrene.
 2 : 1 : 5-Hydroxymethylacetophenone.
 Hydroxy-3-methylbenzylic alcohol.
 Hydroxymethylenebenzylic cyanide.
 Hydroxy-*iso*-propylcarbamide.
m-Hydroxytetrethyl-*p*-diaminotriphenylcarbinol.
 1 : 3 : 4 : 5-Hydroxytrimethoxybenzene.
 Lemonol.
 Licareol.
 Licarhodol.
 Lyxitol.
 Menthocitronellol.
 Menthoglycol.
 Menthol.
 Methylbutallylcarbinol (*hexenylic alcohol*).
 Methylcatechol.
 Methylenebisdimethyldihydroresorcinol.
 1-Methylcyclohexanol-5.
 Methylic alcohol.
 Methylmethylolheptanoneol.
 1 : 3-Methylisopropylcyclohexanol-5.
 Myricylic alcohol.
 Myroxol.
 Naphthaquinol.
 Naphthol.
 Northebenol.
 Onocol (*onocerin*).
 Orcinol.
 Oxalyl-*p*-amidophenol.
 Pentamethyl- Δ^1 -cyclopentenol.
 Peonol.
p-Phenetididophenyldihydroresorcinol.
 Phenol.
 Phenylbenzamidoethylcarbinol.

Alcohols and Phenols. See :—

Phenylcarbinol.
 Phenyldihydroresorcinol.
 Phenyldimethyldihydroresorcinol.
 Phenylsulphone-ethylic alcohol.
 Phloroglucinol.
 Phloroglucinolazobenzene.
 Phthalyl-*p*-amidophenol.
 Physciol.
 Phytosterin.
 Picric acid.
iso-Propylic alcohol.
 Pulegol.
 Pyrogallol.
 Quinhydrone.
 Quinol.
 Resacetophenone.
 Resorcinol.
 Rufigallol.
 Safranin.
 Safrrole.
 Salhydranilide.
 Saligenol.
 Styryldihydroresorcinol.
 Succinyl-*p*-amidophenol.
 Tartronyldi-*p*-amidophenol.
 Tetrethylquinol.
 Thebaol.
 Thebenol.
 Thymol.
p-Toluidinodimethyldihydroresorcinol.
p-Toluidinophenyldihydroresorcinol.
o-Tolylsulphonethylic alcohol.
 1 : 2 : 3-Trihydroxybenzophenone.
 Trihydroxy-*tert*-butylamine.
 Trihydroxyflavone.
 Trihydroxynaphthalene.
 Trihydroxyphenylenic bisulphide.
 Trimethylcarbinol.
 Trimethylcatechol.
 Trimethylcyclohexanol.
 Trimethylresorcinol.
 Triphenylvinyl alcohol.
 Vanillin.
 Xylenol.
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 Acetosalicyl.
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Aldehydes. See:—

- Anisaldehyde.
 - p*-Azoxybenzaldehyde.
 - Benzaldehyde.
 - Benzaldehydedicarboxylic acid.
 - p*-Benzoylbenzaldehyde.
 - iso*-Butaldehyde.
 - iso*-Butyrylformaldehyde.
 - Chloral.
 - Cinnamaldehyde.
 - Citraldehyde.
 - Citronellaldehyde.
 - Crotonaldehyde.
 - ψ -Cumenoxyacetaldehyde hydrate.
 - ψ -Cumylic aldehyde.
 - Di-*isobutaldehyde*.
 - Diethylamino-acetaldehyde.
 - Dimethylamino-acetaldehyde.
 - Diosphenol.
 - Ethylphenoxyacetaldehyde hydrate.
 - Formaldehyde.
 - Furfuraldehyde.
 - Geranaldehyde.
 - Glycollic aldehyde.
 - p*-Hydroxybenzaldehyde.
 - β -Hydroxy- δ -methylfurfuraldehyde.
 - Melilotaldehyde.
 - Menthocitronellaldehyde.
 - Mesitylaldehyde.
 - Methyl-*o*-cumaraldehyde.
 - Mucophenoxybromic acid.
 - Naphthoxyacetaldehyde hydrate.
 - Parasalicyl.
 - Phenylacetaldehyde.
 - Picrylsalicylaldehyde.
 - Piperonal.
 - Propaldehyde.
 - iso*-Propyl-*iso*-butylacetaldehyde (*de-cenoic aldehyde*).
 - Salicylaldehyde.
 - Suberic acid, dialdehyde of.
 - Tiglic aldehyde.
 - p*-Tolualdehyde.
 - m*- and *p*-Tolyloxyacetaldehydes.
 - Valeraldehyde and *iso*-valeraldehyde.
 - Vanillin.
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- Aconine and ψ -Aconine.
 - Aconitine and ψ -Aconitine.
 - Anhydroecgonine.
 - Anhydrolupinine.
 - Arecoline.
 - Argine.
 - Atrascine.
 - Atropine.
 - Baptitoxine (*cytisine*).
 - Berberine.
 - Bulbocapnine.
 - Buroine.
 - Caffeine.
 - Carpaine.
 - Cephaeline.
 - Choline.
 - Cicutine.
 - Cinchonidine.
 - Cocaine.
 - Codeine.
 - Colchicine.
 - Conicine.
 - Coniine and *iso*-Coniine.
 - Corybulbine.
 - Corycavine.
 - Corydaline.
 - Cotarnine.
 - Creatine.
 - Creatinine.
 - Cuskygrine.
 - Cynoctonine.
 - Cystisine (*baptitoxine*).
 - Dehydrocorydaline.
 - Dianhydrolupinine.
 - Digitaline.
 - Dihydroarecoline.
 - Dihydroecgonidine.

Alkaloids. See:—

- Ecgonine.
 Emetine.
 Erythropleine.
 Eserine.
 Eucaïne.
 Granatanine.
 Homatropine.
 Hydrastine.
 Hydrocotarnine.
 Hydrodicotarnine.
 Hydrotropidine.
 Hyoscyne.
 Hyoscyamine.
 ψ -Jaborine.
 Kolanine.
 Lapaconitine.
 Lupanine.
 Lupinidine.
 Lupinine.
 Meroquinine.
 Methyl- ψ -morphine.
 Morphine and ψ -Morphine.
*iso*Narcotine.
 Nicotine.
 Oxydimorphine.
 Oxysparteine.
 Pilocarpidine.
 Pilocarpine and ψ -Pilocarpine.
 Pyro- ψ -aconitine.
 Quinine.
 Scopolamine.
 Scopoligenine.
 Scopoline.
 Septentrionaline.
 Sparteine.
 Strychnine.
 Thalleioquinine.
 Thebaine.
 Thebenine.
 Theobromine.
 Tropanine.
 Veratrine.
 Veratrylpseudaconine.
Allantoin, occurrence of, in beet-juice (VON LIPPMANN), A., ii, 118.
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 polymeride of (GABRIEL and VON HIRSCH), A., i, 136.
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Allylcyanamide, the alum of (ORLOFF), A., i, 448.
iso-**Allylenetricarboxylic acid** (*propinene-tricarboxylic acid*), ethylic salt, hydrolysis of, and action of bromine on (GOLDSCHMIDT and KNÖPPER), A., i, 21.
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 bromide, action of methylamine, dimethylamine and triethylamine on (PARTHEIL and VON BROICH), A., i, 263.
 tribromide, action of trimethylamine on (HARTMANN), A., i, 316.
 iodide, action of hexamethylenetetramine on (DELÉPINE), A., i, 394.
 phosphate, and the action of barium hydroxide and of water on it (CAVALIER), A., i, 310.
Allylphosphoric acid, from the action of heat on diallylphosphoric acid (CAVALIER), A., i, 310.
Allylthiocarbamide, action of citraconic acid on (ANDREASCH), A., i, 327.
Allylthiocarbimide, action of hydrochloric acid on (GABRIEL and ESCHENBACH), A., i, 395.
Allylthiohydantoin- α -propionic acid (ANDREASCH), A., i, 327.
1-Allyltriazole-5-thiol (FREUND and SCHWARZ), A., i, 125.
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 from Massachusetts (EMERSON), A., ii, 566.
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- Altaite** from British Columbia (HOFFMANN), A., i, 503.
 from Burma (LOUIS), A., ii, 409.
- Alum**, rate of inversion of sugar by (LONG), A., ii, 547.
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- Alum-water** from Virginia (SMOOT), A., ii, 329.
- Aluminium**, spectrum of (HEMSALECH), A., ii, 534.
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 with zinc, freezing points of (HEYCOCK and NEVILLE), T., 389; P., 1897, 61.
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- Aluminium bromide**, reaction of, with thionyl chloride (BESSON), A., ii, 139.
 chloride, preparation of (ESCALES), A., ii, 407.
 periodate, crystallography of (EAKLE), A., ii, 21.
 oxide (*alumina*), composition of (HARTLEY and RAMAGE), T., 547; P., 1897, 47.
 nitrate, crystallography of (EAKLE), A., ii, 22.
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 orthosilicate, substitution derivatives of (CLARKE), A., ii, 51.
- Aluminium silicotungstate** (WYRUBOFF), A., ii, 178.
 sulphate, precipitation of dextrin and other organic substances by (LA-CHAUD), A., ii, 445.
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- Aluminium ethoxide** (HILLYER and CROOKER), A., i, 235.
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- Aluminium, estimation and separation of**—
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 separation of copper and iron from (HANDY), A., ii, 191.
 separation of iron from (GOOCH and HAVENS), A., ii, 232.
 separation of iron, chromium, manganese, zinc, nickel and cobalt from (CUSHMAN), A., ii, 518.
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- Amalic acid**, formation of, from caffeine (POMMERHNE), A., i, 641.
- Amarone**. See Tetraphenylazine.
- Amides**, cryoscopic determination of the constitution of (LACHMANN), A., i, 326.
 growth of bacteria in (BOKORNY), A., ii, 380.
 acid, action of alkali hypochlorites and hypobromites on (HOOGWERFF and VAN DORP), A., i, 23.
 acidyl (HANTZSCH), A., i, 399, 400.
 of alkali metals, melting points of (TITHERLEY), T., 470.
- Amides**. See also:—
 Acetamide
p-Acetamidophenoxyacetanilide.
m-Acetamidophenylcarbamide.
m-Acetamidophenyloxamic acid.
 Acetanilide.
 4-Acetanisoilamide.
 Acetantranilic acid.
 Acetobenzamide.
 Acetobutyl-*o*-toluidide.
 Acetobutyranilide.
 Acetodimethylamide.

Amides. See:—

Acetodiphenyl-*o*-amidobenzylcarbamide.
 α -Acetonaphthylcarbamide.
 Acetopalmitanilide.
 Acetophenetidine (*phenacetin*).
 Acetophenetoilamide.
 Acetophenyl-*o*-aminobenzyl-*p*-tolylcarbamide.
 Aceto-*m*-phenylenediamine.
 Acetopropionanilide.
 Acetotartranilide.
 Acetotriaminobenzene.
 Acetovaleranilide.
 Acetoveratrolesulphonamide.
 γ -Acetylbutyramide.
 γ -Acetylbutyric-*p*-toluidide.
 Acetylmalonyldiethylcarbamide.
 γ -Acetyl- β -phenylbutyramide, anilide and methylamide.
 Acid, $C_9H_{14}O_3$, amide of.
 Allylcyanamide.
 Allylthiocarbamide.
 Anthracenecarboxylamide.
 Anthranilic acid thiocarbamide.
 Anthraquinone-1-carboxylamide.
 Antipyrilcarbamide.
 Arachidamide.
 Asparagine.
 Benzamide.
 Benzanilide.
 Benzenesulphonamide.
 Benzenesulphonanilide.
 Benzenesulpho-*p*-toluidide.
 Benzenesulpho-*m*-xylidide.
 Benzobromamide.
 Benzodiphenyl-*o*-amidobenzylcarbamide.
 Benzo- α -naphthylcarbamide.
 Benzo-phenyl-*o*-amidobenzyl-*p*-tolylcarbamide.
 Benzophenylcarbamide.
 p -Benzophosphonamide.
 p -Benzophosphonanilide.
 Benzotoluidide.
 Benzylcarbamide.
 p -*iso*-Butylphenoxyacetamide.
 p -*iso*-Butylphenoxyacetanilide.
 p -*iso*-Butylphenoxyacetotoluidide.
 iso -Butyrylanisylbutyramide.
 Campholenamide.
 Camphoramic acid.
 Camphormethylamic acid.
 Carbamide.
 Carbanilide.
 Carboethoxypropionobromamide.
 Carbonyldiurethane.
 Cerotamide.
 Cinnamamide.
 ψ -Cumylphosphonic acid dianilide.
 Cyanamide.
 Deoxybenzoincarboxylamide.

Amides. See:—

Diacetanilide.
 Diacetophenetoilamide.
 Dianisylcarbamide.
 sym -Diantipyrilthiocarbamide.
 Dibenzamide.
 Dibenzanilide.
 Dibenzylacetamide.
 Dibenzylcyanacetamide.
 Dibenzylloxamide.
 Di- ψ -cumylcarbamide.
 Dicyandiamide.
 Di-epihydrinamide.
 p -Diethylaminobenzamide.
 Diethylcarbamide.
 Diethylcyanacetamide.
 sym -Diethylmalonamide.
 Diethylphosphine-oxide-*p*-benzanilide.
 Diformanilide.
 o -Dihydroxydiphenylloxamide.
 Dimethylcyanacetamide.
 sym -Dimethylmalonamide.
 Dimethylphosphine-oxide-*p*-benzanilide.
 Dimethylphthalanilide.
 Dimethylthiocarbamide.
 Dimethylthiophensulphonamides.
 Dinaphthylcarbamides.
 Dinaphthylloxamide.
 Diphenylaminobenzylcarbamide.
 Diphenylcarbamide.
 Diphenylmalonamide.
 Diphenylphthalamide.
 Diphenylthiocarbamide.
 Dipropylacetamide.
 Dipropylcyanacetamide.
 Ditolylcarbamide.
 Dixylcarbamide.
 Durenecarboxylanilide.
 Ethenyldi-*m*-homoanthranilic acid, amide of.
 Ethoxyphenylsuccinamic acid.
 3-Ethoxy-1-phenyltriazole-5-carboxylamide.
 o -Ethylbenzamide.
 o -Ethylbenzoureide.
 Ethylidenesuccinamide.
 o -Ethylthiobenzamide.
 Formacetanilide.
 Formamide.
 Formanilide.
 Formoacetanilide.
 Formobenzanilide.
 Formobenzenesulphonanilide.
 Formobenz-*o*- and *p*-toluidide.
 Formobutyranilide.
 Formo-*o*-nitranilide.
 Formopropionanilide.
 Formostearanilide.
 Formylurethane.
 Geranamide.
 Hemipinamic acid.

Amides. See:—

Hemipinobenzylamic acid.
 Hexahydro-*iso*-phenylacetamide.
cyclo-Hexanecarboxylamide.
cyclo-Hexylenecarbamide (hexahydro-*o*-phenylenecarbamide).
 Hydrazothiodicarbonamide.
 α -Hydrindonyl- β -carbamide.
 Hydroxydihydrocampholenamide.
 Hydroxycycloheptanecarboxylamide.
 Hydroxypropylallylthiocarbamide.
 Hydroxy-*iso*-propylcarbamide.
 3-Hydroxyquinoline-4-sulphonamide.
 β -Lactylcarbamide.
 Maleamide.
 Malonamide.
 Malonyldiethylcarbamide.
 Melissamide.
 Mesitylacetamide.
 Mesitylformamide.
o-Methoxytoluenesulphonamide.
 Methoxyxylenesulphonamide.
 Methylacetanilide.
 Methylcarbamide.
 Methylene carbamide.
 Methylene diphenylacetamide.
 2'-Methylphenomorpholine carbamide, phenylcarbamide, and thiocarbamide and phenylthiocarbamide.
 Methylpimelic acid anilide.
 Naphthalenesulphonamides.
 Naphthylcarbamides.
 Naphthylenedioxamide.
 Naphthylenoxamide.
 Naphthyloxamide.
 Nitramide.
 Oxamide.
 Oxanilide.
 Palmitamide.
 Palmitic acid, chloramide of.
 Palmito-*p*-tolueneamide.
 Pentadecylcarbamide.
 Pentaphenylbiguanide.
 Phenoxyacetanilide.
iso-Phenylacetamide.
 Phenylacetodimethylamide.
 Phenylacetomethylamide.
 Phenylacetophenylacetamide.
 Phenylallophanic acid.
 Phenylaminobenzyl-*p*-tolylcarbamide.
 Phenylcarbamic acid.
 Phenylcarbamide.
 Phenyldiamylcarbamide.
 Phenyldibutylcarbamide.
 Phenyldiethylcarbamide.
 Phenyldimethylcarbamide.
 Phenyldipropylcarbamide.
m-Phenylenecarbamide.
 Phenylenedioxamic acid.
 Phenylenedioxamide.
o-Phenylenoxamide.
 Phenylhydrazothiodicarbonamide.

Amides. See:—

Phenyl lactamide.
 Phenylmalonamide.
 Phenylmalonic acid, monamide and dianilide.
 Phenylmethylcarbamide.
 Phenyl-*o*-nitrobenzylhydroxycarbamide.
 Phenylloxamide.
 Phenylphosphinic acid, diamide and dianilide of.
 Phenylphthalamide.
 Phenylpropiolamide.
 Phenylpropionodimethylamide.
 Phenylpropionomethylamide.
 Phenyl propyl ketone anilide.
 Phenyl propyl ketone toluidides.
 Phenyl- β -propylpiperidinethiocarbamide.
 1-Phenylpyrazole-4 : 5-dicarboxylamide.
 Phenylsuccinamide.
 Phenylsulphonamic acid.
 Phenylthioureidobenzyl diphenylcarbamide.
 Phenylthioureidobenzyl phenyl-*p*-tolylcarbamide.
 Phenyltolylcarbamide.
o-Phenylureidobenzyl diphenylcarbamide.
 Phenylureidobenzyl phenyl-*p*-tolylcarbamide.
 Phthalo- β -bromodiethylamide.
 Phthaloethylvinylamide.
 Phthalophenylamic acid.
 Phthalophenyldiamide.
 Phthalamide.
 Phthalanilide.
 Phthalo- ψ -cumide.
 Piperonylamide.
 4-Propoxy-*m*-xylene-6-sulphonamide.
 Stearanilide.
 Stearo-*p*-tolueneamide.
 Stearo-*m*-xyleneamide.
 Succinamide.
 Succinanilide.
 Succinobenzylamic acid.
 Succinodibromodiamide.
 Succinophenylamic acid.
o-Sulphobenzanilide.
 Tartar- β -naphthylamide.
 Tetracetamidobenzene.
 Tetracetethylenediphenylene-*p*-tetramide.
 Tetraphenylcarbamide.
 Thiocarbamide.
m-Toluenesulphonamide.
m-Toluenesulphonanilide.
m-Toluenesulphonololuidide.
 Tolylenoxamide.
o-Tolylphosphinous anilide.
p-Tolylphosphonamide.

Amides. See :—

- p*-Tolylphosphondiamide.
- p*-Tolylphosphondianilide.
- p*-Tolylphosphontoluidides.
- p*-Tolylsulphamic acid.
- Triacetamidobenzene.
- Triacetamidophenol.
- Trianilido- ψ -cumylphosphonium hydroxide.
- Tribenzamidotriethylamine.
- Uramidophenyloxamic acid.
- Veratrolsulphonamide.
- Veratrolsulphonanilide.

Amidines, mixed, tautomerism of (VON PECHMANN), A., i, 515.**Amine**, $C_9H_{13}NH_2$, from Caucasian naphtha (MARKOWNIKOFF), A., i, 329.

$C_9H_{13}NO_3$ or $C_9H_{12}NO_3$, formed by reducing *o*-nitrophenoxyacetone (STOERMER and BROCKEROFF), A., i, 473.

$C_{16}H_{26}N_2O_3Cl_2$, obtained by the action of amylamine on the oxide of dichlorodimethoxyquinoldibenzoate (JACKSON and TORREY), A., i, 272.

from hydroalantolactonitrile (BREDT and KALLEN), A., i, 155.

occurrence of an, in sugar-cane (BEESON), A., ii, 584.

Amines, growth of bacteria in (BOKORNY), A., ii, 380.

separation of a mixture of primary, secondary, and tertiary (GASSMANN), A., ii, 81.

Amines, aromatic, action of sulphur bromide on (EDINGER), A., i, 103, 204.

condensation of, with hydrols (PRUD'HOMME), A., i, 353.

Amines, fatty, preparation of (TRILLAT), A., i, 211.**Amines.** See also :—

- Allylamine and *iso*-Allylamine.
- Amygdalylmethyltriacetonealkamine.
- Amylaminohydroxyquinone.
- iso*-Amylideneamine.
- Aniline.
- Anilinetoluenes.
- Anisidine.
- Anthranilic acid.
- Asparagine.
- Benzaldehydedicarboxylic-acid- α -naphthylamine.
- Benzylallylamine.
- Benzylamine.
- Benzyl*iso*amylamine.
- Benzylaniline.
- Benzyl-azo- α -benzyl-naphthylamine.
- Benzylethylamine.
- β -Benzylhydroxylamine.

Amines. See :—

- Benzylidenephénylhydroxylamine.
- Benzylidenetolylhydroxylamine.
- Benzylidene-*p*-xylylhydroxylamine.
- Benzylmethylamine.
- Benzylpropylamine.
- Bis-benzylallylamine.
- Bis-benzyl-*iso*-amylamine.
- Bis-benzylaniline.
- Bis-benzylethylamine.
- Bis-benzylhydroxylamine.
- Bis-benzylmethylamine.
- Bis-benzylpropylamine.
- Butylamine and *tert*-Butylamine.
- m*-Butyl-*o*-toluidine.
- Camphenylnitramine
- Camphylamine.
- Carvylamine.
- Chrysanic acid.
- Cumenylamidine.
- Dianisidine.
- Dibenzylamine.
- β -Dibenzylethylamine.
- Diisobutylamine*.
- Diethylamine.
- Diethylethylenediamine.
- Diethylenedianiline.
- Dimethylallylamine.
- Dimethylamine.
- Dimethylaniline.
- Dimethylhydroxyethylamine.
- Dimethylnitramine.
- Diphenanthrylamine.
- Diphenoxydiethylamine.
- Diphenylamine.
- Diphenylecyanovinylamine.
- Diphenylecyanovinylmethylamine.
- Diphenyldisulphonedethylamine.
- Diphenylmethylamine.
- Diphenyltetraaminobenzene.
- n*-Di-*m*-tolylpiperazine.
- Ethyldianthranyl acid.
- Ethylamine.
- Ethylbutyltoluidine.
- Ethyldiethylenediamine.
- Ethyleneaniline.
- Ethylenediamine.
- Ethylenedibenzylidenediphenylene-*p*-tetramine.
- Ethylenedibenzylidenedi-*o*-tolylene-*p*-tetramine.
- Ethylenediphenylene-*p*-tetramine.
- Ethylenedisalicylidenediphenylene-*p*-tetramine.
- Ethylenetoluidines.
- Ethyleneditolylene-tetramines.
- β -Ethylhydroxylamine.
- Ethylenedianiline.
- Ethyl-*p*-toluidine.
- Hexahydro-*o*-phenylenediamine (cyclohexane, *o*-diamino-).
- Hexamethylenetetramine.

Amines. See :—

Hydroxyethylamine (*aminoethylic alcohol*).
 Hydroxyhydromenthonylamine.
 Menthonylamine.
 Menthylamine.
 Methylallylamine.
 Methylallylnitramine.
 Methylamine.
 Methylbutylamine.
 Methylallylamine.
 Methylhydroxyethylamine.
 β -Methylhydroxyethylamine.
 Methylnitramine.
 Methylphenomorpholine nitrosamine.
 Methyl-*p*-toluidine.
 β -Naphtholazobenzylaniline.
 β -Naphtholazobenzylphenylnitrosamine.
 α - and β -Naphthylamines.
 β -Naphthylazobenzyl-*o*-tolylnitrosamine.
 Naphthylhydroxylamine.
 β -Naphthylmethylamine.
 Pentadecylamine.
 Phenacylaniline.
 Phenacylnaphthylamines, α and β .
 Phenacyl-*p*-phenetidine.
 Phenacyl-*as-m*-xylidine.
 Phenethylamine.
 Phenetidine.
 Phenoxyethylamine hydrochloride.
 Phenylcyanovinylaniline.
 Phenylcyanovinylmethylamine.
p-Phenylenediamine.
 Phenylethylamine.
 Phenylhydrazino-acetodimethyl-*p*-phenylenediamine.
 Phenylhydroxylamine.
 Phenylmethylnitramine.
 Phthalylhydroxylamine.
 Piperidine.
 Propylamine and *iso*-propylamine.
 Propylhydroxylamine and β -*iso*-propylhydroxylamine.
 Tetramethylethylenediamine.
 Toluidines.
p-Tolylazo- α -naphthylamine.
p-Tolylhydroxylamine.
p-Tolylmethylnitramine.
p-Tolylnitramine.
 Triethylamine.
 Triformalethylamine.
 Triformalmethylamine.
 Triformalpropylamine.
 Trihydroxytertiarybutylamine.
 Trimethylamine.
 Trimethyltrimethylenetriamine.
 Triphthalyltri-iminotriethylamine.
 Xylenoxyethylamine.
 1 : 3 : 4-Xylenoxyethylamine.
m-Xylidine.

Amines. See :—

m-Xylylhydroxylamine.
sym-Aminobenzeneindone. See Safraninone.
Amino-compounds, formation of (LÖB), A., i, 331.
Amino-derivatives. See under :—
 Acetamide.
 Acetic acid.
 α -Acetoacetylpyridine.
 Acetoacetylquinoline.
 Acetophenone.
 Acetophenoneoxime.
 Acetophenonepinacone.
 Anisic acid.
 Anthragallol.
 Anthraquinone.
 Anthrarufin.
 Antipyrine.
 Arachidic acid.
 Azimidobenzene.
 Azobenzene.
 Benzaldehyde.
 Benzene.
 Benzenesulphonamide.
 Benzenesulphonic acid.
 Benzenesulpho-*m*-xylylidine.
 Benzenylphenyleneamidine.
 Benzhydrol.
 Benzoic acid.
 Benzylisomethylamine.
 Benzylaniline.
 Benzyl-*o*-anisidine.
 Benzylic alcohol.
 Benzylic bisulphide.
 Benzylic mercaptan.
 Benzylic methylic sulphide.
 Benzylidene-*m*-hydroxylaminobenzoic acid.
 Benzyl-*p*-phenylenediamine.
 Benzyltetrahydroquinazoline.
 Benzylthiotetrahydroquinazoline.
 Bis-benzylhydroxylamine.
 Butyltoluidine.
 Campholic acid.
 Camphor.
 Carbazole.
 Carbomethoxypropionobromamide.
 Cerotic acid.
 Cinnamamide.
o-Cresol.
 Diazobenzene.
 Diazophenylsotriazole.
 Dibenzylamine.
 Dibenzylidenephenylsotriazole.
p-Diethylaminobenzoic chloride.
 Dihydrocampholenolactones.
 Dihydroxyanthraquinone.
 4 : 6-Dihydroxy-2-methylpyridine.
 Dihydroxynaphthalene.
 Dimethoxydiphenylamine.
m-Dimethylaminophenol.

Amino-derivatives. See under :—

Dimethylanilineazophenylsotriazole.
 3 : 7-Dimethylpurine.
 Dimethylquinoline.
 Dimethylquinoxaline.
 Dioxypurine.
 Diphenic acid.
 Diphenyl.
aa-Diphenylbenzyl sulphide.
 Diphenyldisulphonediethylamine.
 Diphenylethylenedisulphone.
 Diphenylic sulphide.
 1 : 5-Diphenyloxytriazole.
 2 : 6-Diphenylpyridine.
 2' : 3'-Diphenylquinoxaline.
 Dracoablan.
 Ethoxynaphthalene.
o-Ethylbenzoic acid.
 Ethylenedicarboxylic acid.
 Ethylic alcohol.
 Ethylidenesuccinamide.
 Glycerol.
 Guanazylbenzene.
 Guanidine.
 Hemipinic acid.
cyclo-Hexane.
 Hexanesulphonic acid.
 Hydrindene.
α-Hydrindone.
 2-Hydroxyacetophenone.
 Hydroxybenzoic acid.
 2-Hydroxybenzophenone.
 Hydroxynaphthalenesulphonic acid.
 Hydroxyphenylbenzyltetrahydroquinazoline.
 Hydroxyphenylsotriazole.
 2-Hydroxyphenyl-*p*-tolylketone.
 3'-Hydroxyquinoline-2'-carboxylic acid.
 Hydroxyxylene.
 Lauronic acid.
 Melissic acid.
 Methenedioxiaminobenzene.
 Methoxydiphenylamines.
 Methoxynaphthalene.
 Methyleneacetacetic acid.
 Methyleneacetylacetone.
 Methylheptane.
 Methyl hexyl ketone.
 Methylphenomorpholine.
 Methylphthalide.
 7-Methylpurine.
 Naphthalenesulphonic acid.
 Naphthaquinols.
β-Naphthol.
 Naphthylazohydroxyphenylsotriazole.
 Orcinol.
 Orcinol methyl ether.
 Oxalylglycocine.
 Pentamethylethylcyclopentane.
 Phenetol.

Amino-derivatives. See under :—

Phenol.
 Phenoxyacetanilide.
 Phenoxyacetic acid.
 Phenylbenzyltetrahydroquinazoline.
 Phenyl-*o*-benzyl-*p*-tolylcarbamide.
 Phenylcarbamide.
 Phenyl-*m*-diazine.
 Phenyl dihydroquinazoline.
 Phenyl dithienyl-*m*-ethane.
 Phenylene-ethenylamidine.
 Phenyleneiminodinitrotoluene.
 Phenyl ethyl ketone.
 Phenylguanidine.
 Phenylic bromethylic thioether.
 Phenylic ether.
 Phenylic ethylenic thioether.
 Phenylic sulphide.
 Phenylsotriazole.
 Phenylsotriazolesulphonic acid.
 Phenylloxamic acid.
 Phenylphosphinic acid.
 Phenylsulphone-ethylic alcohol.
 Phenyltetrahydroquinazoline.
 Phenyl-*p*-tolylcarbinol.
 Propylene.
aa-, Propyleneglycol.
 Pyridine.
 Quinonebenzoic acid.
 Quinone-*bis*-cinnamic acid.
 Quinoneimide.
 Succinic acid.
 Tetramethyldiaminotriphenylmethane.
 Tertraphenylazine.
 Tetraphenylethane.
 Tetrazole.
 Thiotriazole.
p-Tolylguanidine.
o- and *p*-Tolylphosphonic acids.
 Trimethylcyclohexane.
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 Veratric acid.
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Benzenylamidoximebutyric anhydride.
Camphandioic anhydride.
Campholic anhydride.
Camphoric anhydride.
Camphotricarboxylic anhydride.
Caronic anhydride.
β-Coccinic anhydride.
Dicamphandioic anhydride.
Diethoxyphthalic anhydride.
3 : 5-Dimethoxyphthalic anhydride.
αβ-Dimethylglutaric anhydride.
Diphenylmaleic anhydride.
Ethenyldianthranilic anhydride.
Ethenyldi-m-homoanthranilic anhydride.
Hydroxycerotic anhydride.
α-Hydroxysantonic anhydride.
Levulinic anhydride.
Maleic acid-aldoxime anhydride.
Maleic anhydride.
Malic anhydride.
Melilotic anhydride.
5-Methoxyphthalic anhydride.
Mucochloroxime anhydride.
Naphthylmethylenephthalide.

- Anhydrides.** See:—
 Phthalic anhydride.
iso-Propylsuccinic anhydride.
 Sedanolide.
 Stearic anhydride.
 Sulphocamphoric anhydride.
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 Benzeneazonaphthacetol.
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 Benzeneazophenol.
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- Diazobenzeneacetoacetic acid.
- Diazobenzene methylic ether.
- Diazobenzene-ethane.
- Diazobenzenefurfuryldihydroresorcinol.
- Diazobenzoic acid phenylsulphone.
- Diazohydroxyphenylosotriazole.
- Diazomethane.
- Diazophenylosotriazole.
- Diazotoluene.
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- Dibenzenyloxime.
- Diphenyldibenzylidenehydrotetrazone.
- cyclo*-Diphenyltetrazoliumchloridecarboxylic acid.
- Disazobenzeneapigenin.
- Ethoxyazobenzenedisulphonic acid.
- cyclo*-Formazylformic acid.
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- Maclurinazobenzene.
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- α -Naphthalenediazophenylsulphone.
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- β -Naphthol-*o*-azobenzyl- β -phenodihydrotriazine.
- β -Naphtholazobenzylphenylnitrosamine.
- β -Naphtholazobenzylthiotetrahydroquinazoline.
- β -Naphtholazobenzyl-*o*-tolylnitrosamine.
- Phenetolazophenol.
- β -Phenyldiazocrotonic acid.
- Phenyldiazonaphthol.
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Acetic acid.

Acetophenetidide (*phenacetin*).

Acetophenetolamide.

Acetophenone.

Acetosuccinic acid.

Acetoxybenzonitrile.

Acetylacrylic acid.

Acetylcodeine.

Acetylene.

Acetylnaphthols.

Acetylthébaol.

Acid, dibromo-, $C_{12}H_{10}O_8, Br_2$.

Acraldoxime.

Acrylic acid.

Albumin.

Allylic alcohol.

Allylic bromide.

Aniline.

Anilinetoluene.

Anisoil.

Anisyl methyl ketone.

Apigenin.

Arachidic acid.

Baptisin.

Benzaldoximes.

Benzamide.

Benzene.

Benzeneazo-*iso*-propylene.

Benzenediazoic acid.

Benzenediazophenylsulphone.

Benzenediazosulphonic acids.

Benzenesulphonamide.

Benzenyloximebutyric acid.

Benzimidomethylic ether.

Benzoic acid.

Bromo-derivatives. See under :—

Benzonitrile.

p-Benzoylbenzyl bromide.

Benzoylbenzylidene dibromide.

Benzyl-*iso*-benzaldoxime.

Benzylhydroxylamine.

Benzyl bromide.

Benzylidene bromide.

Bromhydrins.

Butyric and *iso*-butyric acids.

Butyrylthiocarbimide.

Caffeine.

Camphenes.

Camphenones.

Camphenylnitramines.

Camphor.

Camphoric acids.

Camphoric anhydride.

Camphorsulpholactone.

Camphorsulphonic acid.

Camphylic acid.

Carbazole.

Catechol.

Cerotic acid.

Cholestenone.

Cinnamamide.

Cinnamic acid.

Codeine.

Convolvulin.

Cresotic acid.

Crotonic acid.

Crotononitrile.

ψ -Cumenol.

ψ -Cumyl methyl ketone.

Cynoctonine.

Cytisine.

Diacetophenetolamide.

Diaetylmorphine.

Dianisoil ketone and thioketone.

Diazoamidobenzenes.

Diazobenzene.

Diazobenzene-acetoacetic acid.

Diazonium bromide.

Dibromhydrin.

Diethylamine.

Diethylaniline.

Dihydrocampholenolactones.

Dihydroxybenzoylbenzene.

Diketohydrindenecarboxylic acid.

Diketohydronaphthenecarboxylic acid.

Di-4-methoxy-2 : 5-dimethylbenzyl sulphide.

Dimethylacetoacetic acid.

Dimethylaniline.

Dimethylcyclohexane.

3' : 3'-Dimethyl-2'-indolinone.

Dimethylquinoline.

Dimethylsuccinic acid.

Dimethylthiophen.

Dimethyl-*o*-toluidine.

Dimethyltricarballic acid.

β -Dimethyltrimethylenic dibromide.

Bromo-derivatives. See under :—

Diphenylallylene.
 Diphenylcrotonic acid.
 Diphenylethane.
 Diphenylmethane.
 Dithienylethane.
 Dithienylethylene.
 4-Ethoxy-2:5-dimethylbenzylic methylic ether.
 Ethoxynaphthalene.
 Ethoxyphenylphthalimide.
 Ethoxyphenylsuccinamic acid.
 Ethoxyphenylsuccinimide.
 Ethylbenzene.
 Ethylene.
 Ethylic allylic ether.
 Ethylic bromide.
 Ethyltheobromine.
 Fructosephloroglucide.
 Furfuran.
 Gallic acid.
 Gallocyanin.
 Guanine.
 Heptylene.
 Hexadiene.
 Hexahydroxylic acids.
 Hexane.
 Hexenoic acids.
 Hexoic acid.
 Hexylamine.
 Hexylene.
 Hydrindone.
 Hydrindonylbromhydrindone.
 Hydrocarbon, C_3H_4 .
 4-Hydroxyantipyrine.
p-Hydroxybenzoic acid.
p-Hydroxybenzonitrile.
 Hydroxycamphorsulphonic acid.
 4-Hydroxy-2:5-dimethylbenzylic alcohol.
 di-4-Hydroxy-2:5-dimethylbenzylic sulphide.
o-Hydroxydiphenylacetic lactone.
 Hydroxyhydrindenedicarboxylic acid.
 4-Hydroxy-3-methylbenzylic alcohol.
 Hydroxynaphthaquinolcarboxylic acid.
 Hydroxynaphthaquinonecarboxylic acid.
 Hydroxypropionyl-*iso*-phthalic acid.
 Hydroxyquinolines.
 5-Hydroxy-*m*-toluic acid (*cresotic acid*).
 Indonylhydrindone.
 Ketohydrindenecarboxylic acid.
 Ketopinic acid.
 Lactone, $C_{12}H_8O_7Br_2$.
 Lapaconitine.
 Levulinic anhydride.
 Maleic acid.
 Malonic acid.
 Malononitrile.
 Malonyldiethylcarbamide.

Bromo-derivatives. See under :—

Melissic acid.
 Mesitylene.
 Methane.
 4-Methoxy-2:5-dimethylbenzylic alcohol.
 Methoxyphenanthrene.
 Methylheptane.
 Methylcyclohexane.
 Methylic allylic ether.
 Methylmorphimethine.
 1:3-Methylisopropylhexanol-5.
 1:3-Methylisopropylcyclohexene.
 Methylpropylnitramine.
 Methyltrihydroquinoline-1-sulphonic methylbetaine.
 Morphine.
 Mucophenoxybromic acid.
 Naphthalene.
 Naphthaquinonecarboxylic acids.
 Naphthol.
 α -Naphthylpropylsulphone.
bis-Nitrosobenzyl.
 Orcinolphthalein.
 Pentadecylic acid.
*cyclo*Pentadione.
*cyclo*Pentenedione.
 Pentethylphenyl methyl ketone.
 Peonol.
 Phenacylaniline.
 Phenetidines.
 Phenetol.
 Phenol.
 Phenolphthalein.
 Phenoxymaleic acid.
 Phenoxymaleimide.
 Phenylallylacetic acid.
 Phenylcarbamic acid.
 Phenylcarbamide.
 Phenyl-diethylphosphine.
 Phenyleneiminotoluene.
 Phenylethane.
 Phenyl ethyl ketone.
 Phenyl-*p*-hydroxytolylacetic lactone.
 Phenylic ethylic thioether.
 β -Phenyllactic acid.
 Phenylmethylcarbamide.
 2':3-Phenylmethyl-diketohydrindene.
 Phenylnitramine.
 Phenylphosphine.
 Phenylphosphinic acid.
 Phenylphosphinous acid.
 Phenylpropiolamide.
 Phenyl propyl ketone.
 Phenylpropylsulphone.
 Phenylpyrazolidone.
 Phenylsulphazide.
 Phosphenylic chloride.
 Phthalodiethylamide.
 Piperidoxyleneol.
 Piperonylamide.
 Piperonylpicoline.

Bromo-derivatives. See under :—

- Propenyl bromhydrins and epibromhydrins.
 Propionic acid.
 Propionic bromide.
 Propionylthiocarbimide.
 Propylmalonic acid.
 Protocatechuic acid.
 Quinolines.
 Quinolyloxyacetic acid.
 Salicylic chloride.
 Septentrionale.
 Stilbene.
 Succinic acid.
 Succinodiamide.
 Tetracetoxydibenzyl.
 Tetrahydroquinoline-4-sulphonic acid.
 Tetramethyldiaminoxanthone.
 Tetramethylene.
 Tetraphenylethylene.
 Toluene.
 Toluenesyndiazosulphonic acids.
 Toluquinone.
p-Tolyl methyl ketone.
m-Tolylphosphonic acid.
 Tolypropylsulphones.
p-Tolylpyrazolidone.
 Triketonaphthalenecarboxylic acid.
 Trimellithic acid.
 Trimethylallylammonium.
 Trimethylglutaric acid.
 Triphenylmethane.
iso-Valeric acid.
 Veratric acid.
 Veratrole.
 Vinylic tribromide.
p-Xylene.
m- and *p*-Xylenols.
p-Xyloquinone.
m-Xylylic ethylic ether.
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- Buroine**, identity of, with choline (JAHNS), A., i, 382.
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- aaa*-,**Butanetricarboxylic acid** (*adipocarboxylic acid*) (MONTEMARTINI), A., i, 20; (WISLICENUS and SCHWANHAÜSSER), A., i, 606.
 ethylic salt (LEAN and LEES), T., 1065; P., 1897, 161; (MONTEMARTINI), A., i, 20; (WISLICENUS and SCHWANHAÜSSER), A., i, 606.
- aaa*-,**Butanetricarboxylic acid**, sodio-, ethylic salt, action of ethylic iodide on (LEAN and LEES), T., 1065.
- Butenoic acid** (*methylacrylic acid*), amylic salt, rotatory power of (WALDEN), A., ii, 3.
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- p*-**Butenylanisoi**l (MOUREU and CHAUVET), A., i, 404.
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- tert*-**Butylamine**, refractive power and dispersion of (BRÜHL), A., ii, 297.
- Butylaminomethylic alcohol**, and the action of potash on (FRANCHIMONT and VAN ERP), A., i, 6.

- p-Butylbenzoic acid** (BIALOBRZESKI), A., i, 514.
- nor-, sec-, and iso-Butylcarbamic acids**, methylic and ethylic salts, refractive powers and dispersions of (BRÜHL), A., ii, 297.
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- 3'-Butyl-iso-carbostyryl** and its 4'-cyano-derivative (LEHMKUHL), A., i, 373.
- Butylchloral**, action of ammonium sulphide on (LESINSKY and GUNDLICH), A., i, 549.
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- iso-Butylic alcohol**, action of chloral on (PERGAMI), A., i, 177.
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- p-iso-Butylphenoxyacetic acid**, its salts, amide, anilide, and nitrilide, *o-* and *p-*toluidides and phenylhydrazide (BRADLEY and KNIFFEN), A., i, 243.
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- 3'-Butylisoquinoline**, and its 1'-chloro-derivative, and their salts (LEHMKUHL), A., i, 373.
- iso-Butyltheobromine**, preparation of (VAN DER SLOOTEN), A., i, 382.
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- tert-p-Butyltoluene** and its *d*-nitro-derivative (BIALOBRZESKI), A., i, 514.
- m-Butyl-o-toluidine** [$\text{Me} : \text{C}_4\text{H}_9 : \text{NH}_2 = 1 : 3 : 6$], 5-amino-, and a phenazine derivative of (BAUR), A., i, 216.
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- 4-Butyramino- α -naphthol** (WITT and DEDICHEN), A., i, 195.
- Butyric acid**, occurrence of in yeast (GÉRARD and DAREXY), A., ii, 459.
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- Butyric acid**, amylic salt, rotatory power of the (WALDEN), A., ii, 3.
- Butyric acid**, α -bromo-, ethylic salt, action of benzenylamidoxime on (WERNER and FALCK), A., i, 9, 10.
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- β -cyano-, ethylic salt (BREDT and KALLEN), A., i, 155.
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- Butyric bromide**, α -bromo-, action of lead thiocyanate on (DIXON), T., 635.
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- iso-Butyric acid**, bromo-, ethylic salt, condensation of, with ethylic acetoacetate (PERKIN and THORPE), T., 1192; P., 72.
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- iso*-**Butyrylformaldehyde** (3-methyl-2-butanonal), its osazone and dioxime, and behaviour with alcoholic soda (CONRAD and RUPPERT), A., i, 322.
- Butyryl-lactic acid**, methylic salt, rotatory power and dispersion of (GUYE and MELIKIAN), A., ii, 199.
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Antiarose.

Arabinose.

Cane-sugar.

Dextrin.

Dextrose.

Digitoxose.

Dulcitol.

iso-Dulcitol.

Erythritol.

Erythro-dextrin.

Fructose.

Galactose.

γ -Galactose.

Glucose.

Glycogen.

Inosite.

Inulin.

Jecorin.

Lactose.

Levulose.

Lyxose.

Maltodextrin- α .

Maltose, and *iso*-Maltose.

Carbohydrates. See:—

Mannitol.

Mannose.

Melezitose.

Melibiose.

Milk-sugar and γ -Milk-sugar.

Pharbitose.

Proteose.

Raffinose.

Rhamnose.

Starch.

Sucrose (cane-sugar).

Sugar, invert-.

Xylan (wood gum).

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- Carbonyl sulphide**, velocity of hydrolysis of (BUCHBÖCK), A., ii, 398.
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- Chemical proportions** (WALD), A., ii, 311, 400.
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- Chlorine, detection, estimation, and separation of—**
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- Chlorine, detection, estimation, and separation of—**
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- Chlorites**, constitution of (CLARKE), A., ii, 52.
- Chloro-derivatives.** See under :—
Acetal.
Acetaldehyde.
Acetamide.
Acetanilide.
Acetic acid.
Acetonephenylhydrazone.
Acetonitrile.
Acetoisophthalic acid.
Aceto-*p*-toluidide.
Acetoxybenzonitrile.
Acetylthiocarbamide.
Allylic chloride.
Amylaminohydroxyquinone.
Anethoil.
Aniline.
Anilinomaleindianil.
Anilinomalein-*p*-tolil.
Anisic acid.
Anisoil.
Anisyl methyl diketone.
Azoxybenzene.
Benzaldehyde.
Benzamide.
Benzene.
Benzeneazoisoil.
Benzeneazophenetoil.
Benzeneazophenol.
Benzenediazoic acids.
Benzenediazonium chloride.
Benzene-syn-diazosulphonic acid.
Benzenediazophenylsulphone.
Benzenesulphonamide.
Benzenyloximebutyric acid.
Benzoic acid.
Benzonitrile.
Benzoylacetone.
Benzyl chloride.
Benzylideneacetone.
iso-Butaldehyde.
iso-Butane.
Butylic chloride.
3'-Butylisoquinoline.
iso-Butyric acid.
Caffeine.
Camphene.
Camphor.

Chloro-derivatives. See under :—

Camphoric acid.
 Carbazole.
 Chlorhydrins.
 Chloroform.
 Cholesten.
 Citraconanil.
 Citraconanilic acid.
 Citracondianil.
 Codide.
p-Cresol.
 Crotonic acid.
 ψ -Cumene.
 ψ -Cumyl methyl ketone.
 ψ -Cumylphosphonic acid.
 Cyanuric chloride.
 Cymene.
 Cytisine.
 Decane.
 Decylic (diamylic) chloride.
 α -Deoxybenzoin-*o*-carboxylic acid.
 Diamylenic chloride.
 Dianisole ketone and thioketone.
 Diazoamidobenzene.
 Diazobenzene.
 Diazobenzene-acetoacetic acid.
 Diazobenzenethane.
 Diazonium.
 Dibenzyl.
 Diisobutylacetal.
iso-Dibutylenic chloride.
iso-Dibutylic (*octylic*) chloride.
 Dichlor- and Diepichlor-hydrins.
 Diethoxymethylpurines.
 Diethoxymethylphthalide.
 Dihydroxyflavone.
 Diketohydrindenecarboxylic acid.
 Diketohydronaphthalenecarboxylic acids.
 Dimethoxymethylphthalide.
 Dimethoxyquinol oxide.
 Dimethoxyquinonedimethylhemiacetal.
 Dimethylacrylic acid.
 Dimethylanilinoisocrotonolactam.
 Dimethylbutinenecarboxylic acid.
 1 : 3-Dimethylcatechol.
 Dimethyldiketocyclohexene hydrate.
 Dimethylketocyclopentene.
 3 : 7-Dimethylpurine.
 Dimethylpyridine.
 Dimethyl-*o*-quinone.
as-Dimethylsuccinanil.
 Diparaconic acid.
 Diphenetol ketone and thioketone.
 Diphenoxyquinone.
 Diphenylamine.
 Diphenylcrotonic acid.
 Diphenylethane.
 Diphenylethylene.
 Diphenylglyoxazole.
 1 : 5-Diphenyl-1 : 2 : 4-triazole.

Chloro-derivatives. See under :—

Dithienylethylethane.
 Dithienylethylene.
 Epichlorhydrin.
 Ethane.
 Ethoxymethylphthalide.
 Ethoxymethylpurines.
 Ethylamine.
 Ethylbenzene.
 Ethylbenzoylcarboxylic acid.
 Ethylisobutylacetal and Ethylsecbutylacetal.
 Ethylethyl ether.
 Ethylic isobutylic ether.
 Ethylidenebisphenylhydrazine.
 Ethylphosphine.
 Ethylisopropylacetal.
 Ethylstilbene.
 Ethylisosuccinic acid.
 Fenchonephosphoric acid.
 Formanilide.
 Formylurethane.
 Fructosephloroglucide.
 Fumaric acid.
 Glyoxylic acid.
 Hendecane.
 Heptylene.
 Hexanaphthene.
 Hexylamine.
 Hexylene.
 Hydroxyacetophenone.
p-Hydroxybenzaldehyde.
p-Hydroxybenzaldoxime.
p-Hydroxybenzoic acid.
p-Hydroxybenzonitrile.
 Hydroxybenzophenone.
 Hydroxyhydrindenecarboxylic acid.
 Hydroxyindenecarboxylic acid.
 Hydroxyketohydrindenecarboxylic acid.
 Hydroxymethylcyclopentenecarboxylic acid.
 Hydroxynaphthaquinonecarboxylic acid.
 Hydroxyisonicotinic acid.
 Hydroxycyclopentenecarboxylic acid.
 Hydroxyquinoline.
 Hydroxyisovaleric acid.
 Ketohydrindenecarboxylic acid.
 Ketonaphthaphenazines.
 Lapachanone.
 Lutidine.
 Maleindianil.
 Maleinimide.
 Maleinimideanil.
 Malein-*p*-tolil and *p*-tolilanol.
 Malein-*p*-tolil dipiperidide.
 Malonyldiethylcarbamide.
 Methoxybenzoylcarboxylic acid.
 Methoxymethylphthalide.
 Methylanilidomaleinanil.
 Methylbutinenecarboxylic acid.

Chloro-derivatives. See under :—

Methylcatechol.
Methyldiketocyclohexene hydrate.
Methylheptylene.
Methylcyclohexane.
Methylketocyclopentene.
 α -Methylisonicotinic acid.
5-Methylisooxazolone.
Methylparaconic acid.
Methylphthalide.
Methylpicolinic acid.
1 : 3-Methylisopropylhexanol-5.
Methylpurines.
Methylisoquinolines.
Methyl-*o*-quinone.
o-Methylsalicylphosphine.
Methylstilbene.
Mucochloric chloride.
Mucophenoxychloric acid.
Naphthalenedisulphonic acid.
 β -Naphthaquinonecarboxylic acid.
Naphtheurhodoles.
Naphthophenazonium chloride.
iso-Nicotinic acid.
Octane.
Palmitamide.
Pentane.
Pentethylphenyl methyl ketone.
Phenacylaniline.
Phenetyl methyl diketone.
Phenoxymaleimide.
Phenylacetic acid.
5-Phenylbutyltriazole.
Phenyl-*m*-diazine.
Phenyldiethylphosphine.
3'-Phenyldihydroquinazoline-4'.
Phenyldihydroresorcylic acid.
Phenylhydrazine.
Phenylmalonic acid.
Phenylphenazonium chloride.
Phenylphosphine.
Phenylphosphinic acid.
Phenylphosphinic anhydride.
Phenylphosphinous acid.
1-Phenyl-5-propyltriazole.
1-Phenyl-5-isopropyltriazole.
2-Phenylpyridine.
Phenylquinoline and Phenylisoquinoline.
Phloroglucinol trimethyl ether.
Phosphanil.
Phosphenylic chlorides.
Phosphotetranilide.
Phthalic acid.
 γ -Picoline.
Piperidomalein-*p*-tolil.
Propylamine.
3-*iso*-Propylisoquinoline.
Pyridine.
Pyrogallol trimethyl ether.
Pyrroline.
Quinoline and *iso*-Quinoline.

Chloro-derivatives. See under :—

Quinone-*bis-o*-aminobenzoic acid.
Quinone-*bis-o*-aminocinnamic acid.
Quinonedimalonic acid.
Quinone-*o*-iminocinnamic-*bis-o*-aminocinnamic acid.
Resorcinol diethyl ether.
Salicylic anhydride.
Salicylic chloride.
Salicylphosphine.
Stilbene.
Styrene.
Succinamil.
Succinic acid.
Terephthalic acid.
p-Tetramethyldiaminotriphenylmethane.
Tetranisolethylene.
Thymol.
Toluene.
Toluquinone.
p-Tolyl methyl ketone.
o- and *m*-Tolylphosphonic acids.
Triketohydronaphthalene.
Triketonaphthalenecarboxylic acid.
Trimethylcatechol.
Trimethylene.
Trimethylglutaric acid.
Trimethylcyclohexadiene.
Trimethylhydroxypropylammonium.
Trimethyl-*o*-quinone.
Xylyl methyl ketones.
Chloroform, heat of evaporation of (MARSHALL), A., ii, 244.
viscosity of mixtures of ethylic ether with (THORPE and RODGER), T., 370; P., 1897, 50.
osmotic pressure of, in nerve cells (DRESER), A., ii, 14.
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action of nitrogen chloride on (HENTSCHEL), A., ii, 404.
reducing action of, on Fehling's solution (MATTHEWS), A., ii, 193.
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Chlorophyll, the chemistry of (MARCHLEWSKI), A., i, 202.
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- Choleic acid**, reduction of (VAHLEN), A., i, 648.
- Cholestendiol**, oxy- (MAUTHNER and SUIDA), A., i, 31.
- Cholestene**, chloroxy- (MAUTHNER and SUIDA), A., i, 32.
- Cholesterol**, α -oxy-, and β -oxy-, and their acetates (MAUTHNER and SUIDA), A., i, 31.
- Cholestenone**, *di*-bromoxy- (MAUTHNER and SUIDA), A., i, 31.
- oxy-, and its phenylhydrazone (MAUTHNER and SUIDA), A., i, 31.
- Cholesterol**, fate of, in the animal organism (BONDZYŃSKI and HUMNICKI), A., ii, 153.
- di*bromide, preparation of, and molecular compound of, with cholesterol (CLOËZ), A., i, 406.
- the reactions of, given by other substances (THOMS), A., i, 362.
- estimation of, in animal organs (DORMEYER), A., ii, 195.
- Cholesterylene**, oxy-, and its *di*bromide (MAUTHNER and SUIDA), A., i, 32.
- Cholic acid**, action of zinc dust on (VAHLEN), A., i, 648.
- Choline**, from hydrolysis of sinapin (GADAMER), A., i, 255.
- physiological action of (MOTT and HALLIBURTON), A., ii, 222.
- detection of, in various *Materia Medica* (JAHNS), A., i, 382.
- Chondrodite** from Burma (BAUER), A., ii, 180.
- from Sweden, alteration to serpentine and dolomite (SJÖGREN), A., ii, 326.
- Chromatin** of herring's spermatozoa (MATHEWS), A., ii, 572.
- Chrome-diopside**. See Diopside.
- Chrome red**, analysis of (AMSEL), A., ii, 163.
- Chrome yellow**, analyses of (AMSEL), A., ii, 163.
- Chromium** (MOISSAN), A., ii, 556.
- occurrence of, in common minerals (HARTLEY and RAMAGE), T., 533; P., 1897, 11.
- condition of, in iron and steel (CARNOT and GOUTAL), A., ii, 555.
- Chromium nitride** (SMITS), A., ii, 33.
- silicide (CHALMOT), A., ii, 214.
- silicotungstate (WYRUBOFF), A., ii, 178.
- sulphate, precipitation of dextrin and other organic substances by (LA-CHAUD), A., ii, 445.
- double sulphate of zinc and (SCOTT), T., 568; P., 1897, 71.
- Chromium bases**, constitution of (JÖRGENSEN), A., ii, 453.
- Chromic acid**, velocity of reaction of phosphorous acid with (VIARD), A., ii, 204.
- Chromic acid**, reaction of thiosulphuric acid with (LONGHI), A., ii, 42.
- estimation of, by hydrazine sulphate (PURGOTTI), A., ii, 349.
- estimation of, by hydrazine peroxide (ROSS), A., ii, 192.
- estimation of, in presence of iron (BROWNING), A., ii, 73.
- Chromic anhydride**, action of arsenious anhydride on (BROWNING), A., ii, 73.
- Chromates**, double alkali and ammonium (ZEHENTER), A., ii, 322.
- Sulphochromic acid** (RECOURA), A., ii, 172.
- Chromites** (RECOURA), A., ii, 173.
- Chromous phosphide** (GRANGER), A., ii, 265.
- Chromium**, detection, estimation and separation of—
- detection of, in presence of iron, zinc and manganese (ALVAREZ and JEAN), A., ii, 600.
- reaction of, with nitroso- β -naphthol (BURGASS), A., ii, 163.
- estimation of, in commercial iron (GIORGIS), A., ii, 350.
- estimation of, in iron and steel (CARNOT and GOUTAL), A., ii, 521.
- separation of iron, aluminium, manganese, zinc, nickel and cobalt from (CUSHMAN), A., ii, 518.
- Chrysanic acid** and its ethylic salt, coloured compounds obtained by action of alcoholic sodium ethoxide on (JACKSON and ITTNER), A., i, 332.
- Chrysin monomethylic ether**, dyeing property of (PERKIN and MARTIN), T., 822.
- Chrysocetraric acid**, composition and melting point of (HESSE), A., i, 256.
- Chrysophanic acid** (*physcion*) (HESSE), A., i, 257.
- Cicutine**, action of tannin and gallic acid on (DE CONINCK), A., i, 447.
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 - Apigenin.
 - Apiin.
 - Aposafraſine.
 - Azine-dyes.
 - Azonium-dyes.
 - Berberine.
 - Bilirubin.
 - Bixin.
 - α -Borragophyll.
 - Carboxyhæmoglobin.
 - Carotin.
 - Chlorophyll.
 - Cochineal scarlet G.
 - Cœrulignone colouring matters.
 - Dianilinodimethyloxydiphenyl-quinone.
 - Diphthalylethylene.
 - Dye derived from dibromogallie acid.
 - Fisetin.
 - Flavone derivatives.
 - Fluorescein, *d*nitro-, yellow dye from.
 - Guaiacum blue.
 - Guaiacum yellow.
 - Hæmatin.
 - Hæmatoporphyrin.
 - Hæmin.
 - Hæmoglobin.
 - Helianthin.
 - Hydroxyanthraquinone dyes.
 - Indamine dyes.
 - Indazine.
 - Indenigo.
 - Indigo.
 - Indophenol dyes.
 - Istarine.
 - Lignone blue and its derivatives.
 - Lipochromes.
 - Litmus.
 - Maclurin.
 - Madder dyes.
 - α -Medicagophyll.
 - Meldola's blue.
 - Methylene-blue.
 - Methylnaphthaphenazonium salts.
 - Methyl-orange.
 - Methylphenosafranine.
 - n*-Methylrosindone.
 - Methylrosinduline.
 - Myricetin.
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 - Naphthophenosafranine.
 - Oxazine dyes.
 - Oxyhæmoglobin.

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- Phenolphthalein.
- Phenosafranine.
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- Tartrazine, tartrazinic, and tartrazinosulphonic acid.
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 β -Acetoxy-*p*-methylstilbene.
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 Benzene.
 Benzenesulphonic acid.
 Benzoic acid.
 β -Benzoyl- α -benzylpropionic acid.
 β -Benzoyl- α -ethylpropionic acid.
 β -Benzoyl- α -methylpropionic acid.
 β -Benzoyl- α -propylpropionic acid.
 Benzyl ethyl ketone.
 Benzylic cyanide.
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 - Benzyl methyl ketone.
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 - 3'-Butylisocarbostyryl.
 - Butyric acid.
 - Cerotic acid.
 - Cinnamic acid.
 - ψ-Diisobutrylbenzylic cyanide.
 - Diethylacetamide.
 - Dimethylacetamide.
 - Diphenacylacetic acid.
 - βγ-Diphenylcrotonic acid.
 - Diphenylmethylvinylamine.
 - Diphenylvinylamine.
 - Dipropylacetamide.
 - ψ-Divalerylbenzylic cyanide.
 - β-Ethoxyamanylbenzene.
 - β-Ethoxyhexenylbenzene.
 - 6-Hydroxy-1-allyl-Δ^{3,5}-dihydropyridone.
 - p-Hydroxycinnamic acid.
 - 6-Hydroxy-1-ethyl-Δ^{3,5}-dihydropyridone.
 - 6-Hydroxy-1-methyl-Δ^{3,5}-dihydropyridone.
 - 6-Hydroxy-4-methyl-Δ^{3,6}-dihydropyridone.
 - 6-Hydroxy-4-methyl-5-ethyl-Δ^{3,6}-dihydropyridone.
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 - 6-Hydroxy-4-phenyl-Δ^{3,6}-dihydropyridone.
 - 6-Hydroxy-1 : 4 : 5 : trimethyl-Δ^{3,5}-dihydropyridone.
 - Methazonic acid.
 - Methoxyvaleric acid.
 - Methyldimethylpropanoic acid.
 - Methylisopropylisocarbostyryl.
 - Phenol.
 - Phenoxyvaleric acid.
 - Phenyl benzyl ketone.
 - Phenylisocarbostyryl.
 - Phenylisocoumarin.
 - Phenylglutaconimide.
 - Phenylphosphine.
 - Phenylpropionic acid.
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Enzymes. See also:—

Diastrase.

Emulsin.

Glucase.

Granulase.

Laccase.

Lipase.

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- Erythrophleine** and its salts, properties of (HARNACK), A., i, 176.
- Erythrosinotannol**, properties and acetyl and benzoyl derivatives of (HILDEBRAND), A., i, 228.
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- Acetobenzimidomethylic ether.
- Acetophenone *o*-diethylic ether.
- iso*-Acetophenone ethylic ether.
- Allylic ether.

Ethers. See :—

Anethoil.
 Anisoil.
 Anisylldihydroresorcinol.
 Apigenin diethylic ether.
 Apigenin dimethylic ether.
 Benzeneazophenetoil.
 Benzimidoehtylic ether.
 Benzimidomethylic ether.
 Benzophenone *o*-diethylic ether.
 Benzophenone *o*-dimethylic ether.
 Benzoylbenzimidoehtylic ether.
 Benzoylmethyl *m*- and *p*-tolyllic ethers.
 Benzoylpyrogallol dimethylic ether.
 Benzoylpyrogallol trimethylic ether.
 Benzylic ethylic ether.
p-Butenylanisoil.
 Camphoroxime ethers.
 Chrysin monomethylic ether.
 ψ -Cumenoxyacetal.
 α -Diethoxyquinoneoxime ethylic ether.
 Diethylic methylenic ether.
 Dihydroxyphenylic ether.
 Dimethoxyflavone.
 Dimethoxyquinonedimethylhemiacetal.
 Diphenyldisulphonediethylenic ether.
 Di-1 : 3 : 4-xylylic ethylenic ether.
 Estragole.
 4-Ethoxy-2 : 5-dimethylbenzylic methylic ether.
 Ethylic bromallylic ether.
 Ethylic *isobutylic* ether.
 Ethylic ether.
 Ethylic heptylic ether.
 Ethylic propylic ether.
 Ethylphenoxyacetal.
 Ethylpyrriphlorone diethylic ether.
iso-Eugenol.
 Euxanthone diethylic ether.
 Hydroxylaminotrihydroxybutane methylic ether.
 Hydroxymethoxyflavone.
 Hydroxymethoxystyrene.
 Luteolin triethylic ether.
 4-Methoxy-2 : 5-dimethylbenzylic, ethylic, and methylic ethers.
m-Methoxyflavone.
 Methoxyhydroxy- β -phenylcoumarin.
 Methoxytoluene.
 Methylchavicol.
 Methylene catechol ether.
 Methylene diethoxide.
 Methylic allylic ether.
 Methylic ether.
 Naphthol ethyl ethers.
 Naphthoxyacetals.
 β -Naphthylic *p*-tolyllic ether.
 Orcinol methylic ether.
 Orcinoloxime methylic ether.

Ethers. See :—

p-Oxalamidoanisoil.
p-Oxalamidophenetoil.
 Oxaldi-*p*-diamidodianisoil.
p-*iso*-Pentenylanisoil.
 Peonol.
p-Phenetidine.
p-Phenetidinoanisylldihydroresorcinol.
 Phenetoil.
 Phenetolazophenol.
 Phenolphthalein dimethylic ether.
 Phenylamylic oxide.
 Phenylbenzoin ethylic ether.
 Phenylldihydroresorcinol benzylic ether.
 Phenylldihydroresorcylic acid, ethylic and methylic salts of, ethylic and methylic ethers.
 Phenylldihydroresorcydonitrile methylic ether.
 Phenylic ether,
 Phenylic 1 : 3 : 4-xylylic ethylenic ether.
 Phenylmethyldihydroresorcydonitrile, methylic ether.
 Phenylsulphone-ethylic alcohol, ethylic ether.
 Phenylsulphone-ethylic alcohol, nitro-, methylic ether.
 Phloroglucinol diethylic and triethylic ethers.
 Pyrogallol dimethylic and trimethylic ethers.
 Resorcinol diethylic and dimethylic ethers.
 Rhamnazin methylic ether.
iso-Safrole.
 Tetranoisolethylene.
 Tetraphenetoilethane.
 Tetraphenetoilethylene.
 Thebenol methylic ether.
p-Tolyllic ethylic ether.
p-Tolxyloxyacetal.
 Trimethylresorcinol dimethylic ether.
 Veratrole.
o-Xylenoxyacetal.
 1 : 3 : 4-Xylenoxyethylic ether.
 α -*m*-Xylylic ethylic ether.
 1 : 3 : 4-Xylylic methylic ethylenic ether.
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 α -Ethoxyarachidic acid and its ethylic salt (BACZEWSKI), A., i, 11.
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- p-Ethoxybenzoic acid** (*anisic acid*), *dinitro*-, and its sodium and ethylic salts, coloured compounds obtained by action of alcoholic sodium ethoxide on (JACKSON and ITTNER), A., i, 332, 333.
- 5-Ethoxytrichloromethylphthalide** (FRITSCH), A., i, 569.
- 4-Ethoxy-2:5-dimethylbenzyl methylic ether**, 3:6-*dibrom*- (AUWERS and BAUM), A., i, 34.
- 3-Ethoxy-1:5-diphenyltriazole**, *m-nitro*- and *p-nitro*- (YOUNG and ANNABLE), T., 210; P., 1896, 246.
- β -Ethoxyhexenybenzene**, *o-a-dicyano*- (LEHMKUHL), A., i, 373.
- Ethoxymethyleneacetoacetic acid**, ethylic salt phenylhydrazide of (CLAISEN), A., i, 440.
action of potassium acetate and alcohol, and of ethylic sodioacetoacetate on (CLAISEN), A., i, 593, 594.
methylic salt, and the action of water and of copper acetate on (CLAISEN), A., i, 592.
- Ethoxymethyleneacetylacetone**, action of ammonia and of sodioacetylacetone on (CLAISEN), A., i, 595.
- Ethoxymethylenemalon acid**, ethylic salt, and the action of ammonia hydroxylamine and ethylic sodiomalonate on (CLAISEN and HASSE), A., i, 596.
- Ethoxy-7-methylpurine**, 2-chloro-?-oxy- (FISCHER), A., i, 642.
- 8:7-Ethoxymethylpurine**, 2:6-*dichlor*- (FISCHER), A., i, 642.
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- 2-Ethoxynaphthalene**, crystallography of derivatives of (DAVIS), P., 1896, 233.
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- p-Ethoxyphenylchlorophosphine**, preparation of (MICHAELIS and KATZENSTEIN), A., i, 52.
- 4-Ethoxy-2-phenyl-m-diazine** and its salts (RUHEMANN and HEMMY), A., i, 635.
- 4:2-Ethoxyphenyl-m-diazinecarboxylic acid**, and its metallic and ethylic salts (RUHEMANN and HEMMY), A., i, 489.
- 5-Ethoxy-1-phenyl-3-methylpyrazole**, methiodide of (KNORR), A., i, 109.
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- 3-Ethoxy-1-phenyl-5-styryltriazole** (YOUNG and ANNABLE), T., 216; P., 1896, 246.
- p-Ethoxyphenylsuccinamic acid**, *o-brom*-, and its silver salt (PIUTTI), A., i, 413.
- p-Ethoxyphenylsuccinimide**, *o-brom*-, (PIUTTI), A., i, 412.
- 3-Ethoxy-1-phenyl-5-m-tolyltriazole** (YOUNG and ANNABLE), T., 214; P., 1896, 246.
- 3-Ethoxy-1-phenyltriazole** (YOUNG), T., 314; P., 1897, 53.
- 3-Ethoxy-1-phenyltriazole-5-carboxylic acid**, ethylic salt of, and amide (YOUNG), T., 312; P., 1897, 53.
- 5-Ethoxyphthalide** (FRITSCH), A., i, 569.
- 5-Ethoxyphthalidecarboxylic acid**, and its methylic salt (FRITSCH), A., i, 569.
- 1'-Ethoxy-3'-isopropylisoquinoline** (LEHMKUHL), A., i, 373.
- Ethylacetoxime**, periodide of, and hydrolysis of (DUNSTAN and GOULDING), T., 579.
- α -Ethyl- β -acetylpropionic acid** (SPRANKLING), T., 1161.
- β -Ethylacetylsuccinic acid**, ethylic salt (SPRANKLING), T., 1160; P., 1897, 173.
- α -Ethyladipic acid** (*hexanedicarboxylic acid*) (LEAN and LEES), T., 1067; P., 1897, 161.
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- Ethylallylcarbinol**. See Hexenylic alcohols.
- Ethylamine**, action of potassium on (TITHERLEY), T., 463; P., 1897, 45.
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- Ethylamine**, *dichlor*-, action of ethylamine on (LIPPMANN and REGENSDORFER), A., i, 586.
- 2-Ethylamino-4-methyl-6-dimethyl-pentiazoline** (*N-ethylheptylene- ψ -thiocarbamide*) and its salts (KAHAN), A., i, 495.
- Ethylaminothiotriazole** (FREUND and SCHWARZ), A., i, 125.
- Ethylammonium hydrosulphide**, dissociation, pressure, and heat of dissociation of (WALKER and LUMSDEN), T., 433; P., 1897, 48.
- Ethylanilinophenyldihydroresorcinol** (VORLÄNDER and ERIG), A., i, 275.
- Ethylapophyllenic acid**, diethylic salt of (RINT), A., i, 486.
- o-Ethylbenzamide** (GIEBE), A., i, 62.
- Ethylbenzene**, absorption spectrum of (PAUER), A., ii, 393.

- Ethylbenzene**, dichlor-, trichlor-, tetrachlor-, pentachlor-, ω -chloro- ω -dibrom-, ω -dichloro- ω -dibrom-, $\omega\omega$ -trichloro- ω -dibromo- and pentachloronitro- (BILTZ), A., i, 574.
- Ethylbenzhydroximebutyric acid** and the action of hydrochloric acid on it (WERNER and FALCK), A., i, 10.
- o*-**Ethylbenzoic acid** and its salts, amide, and chloride (GIEBE), A., i, 62.
- calcium salt, water of crystallisation of (SALZER), A., i, 190.
- o*-**Ethylbenzoic acid**, 4-amino- and 5-amino- (GIEBE), A., i, 62.
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- o*-**Ethylbenzo-nitrile** and -ureide (GIEBE), A., i, 62.
- Ethylbenzoylcarboxylic acid**, *o*-dichloronitro-, behaviour of, towards acetic chloride (ZINCKE), A., i, 354.
- bis-o*-**Ethylbenzoylhydrazine**, 4-nitro- (GIEBE), A., i, 62.
- Ethylbetaine** (*triethylglycocine*) and its aurochloride and platinochloride (STOERMER and PRALL), A., i, 458.
- α -**Ethylbutane- $\alpha\alpha$ -tricarboxylic acid** (*hexanetricarboxylic acid*) and its ethylic salt (LEAN and LEES), T., 1065, 1066; P., 1897, 161; (MONTE-MARTINI), A., i, 21.
- Ethylisobutyltrichloroacetal** and **Ethylsec-butyltrichloroacetal** (PERGAMI), A., i, 177.
- Ethylisobutyl ketone**, dinitro- (*valeryl-dinitroethane*), (FILETI and PONZIO), A., 317.
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- Ethylchlorophosphine**, action of sulphurous anhydride on (MICHAELIS and BECKER), A., i, 391.
- Ethylcholine hydrochloride**, and platinochloride (STOERMER and PRALL), A., i, 458.
- α - and β -1-**Ethylcincholeuonic acids**, properties of (KOENIGS), A., i, 498.
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Amylene.

Anthracene.

Benzene.

iso-Butane.

Butylacetylene (*hexinene*).

iso-Butylene.

m-Butyltoluene.

tert-p-Butyltoluene.

Camphene.

Cumene.

Cymene.

Decane.

Diallyl (*hexinene*).

Diamylene (*decylene*).

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Dimethylisobutylene (*pentadiene*).

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1 : 3-Dimethylcyclohexene.

Δ^5 -1 : 3-Dimethylcyclohexene

Dipentene.

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1 : 2 : 3-Diphenylmethylcyclopentane.

1 : 2-Diphenylcyclopentane.

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Methylcyclohexene.

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1 : 3-Methylisopropylcyclohexane.

1 : 3-Methylisopropylcyclohexene.

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d-Terebenthene.

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Tetrabutylene (*hexadecylene*).

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Tetraphenylethylene.

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1 : 3 : 3-Trimethylcyclohexane.

1 : 3 : 3-Trimethylcyclohexene.

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Acetobenzimidomethylic ether.

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Benzenylmethyl- β -naphthylamido-phenylimide.

Benzenylmethylphenylamido- β -naphthylimide.

Benzoylbenzimidoethylic ether.

Benzoylbenzylbenzenylamide.

Benzoylphenylbenzenylamide.

Benzoylphenylmethylbenzenylamide.

Benzoyltartarmethylimides.

Benzylmalimides.

Butylmethylenimine.

Butyrylthiocarbimide.

Camphorimide.

α -Camphorisoimide.

Camphorimine.

Citraconanil.

Citracondianil.

ψ -Cumylglyoxylic phenylimide.

Dibenzoylcinnamenimide.

Dihydrocampholenimide.

Dimethylsuccinanil.

Dimethylsuccindianil.

Diphenylbenzenylamide.

Ditolylimide.

p -Ethoxyphenylphthalimide.

p -Ethoxyphenylsuccinimide.

Ethylmalimide.

Fenchonimide.

Hydrazinebenzoylbenzenylamide.

Maleindianil.

Maleinimide.

Maleinimideanil.

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Malein- p -tolilanil.

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4-Metylthiobiazolone.

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Phenylbenzenylamide.

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Phenylbenzylbenzenylamide.

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Phenylhydrazinebenzoylbenzenylamide.

Phenyl- β -naphthylbenzenylamide.

Phenyl-naphthylmethylbenzenylamide.

Phenylphthalimide.

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Phthalimide.

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Racemic acid, imide, benzylimide, ethylimide, methylimide, propylimide, and phenylimide of.

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Succinimide.

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 Benzene.
 Benzene-syn-diazosulphonic acid.
 Benzimidomethyl ether.
 Benzoic acid.
 Butylic and Isobutylic iodides.
 Carvacrol.
 Casein.
 Decylic iodide.
 Diazoaminobenzenes.
 Ethylene.
 Ethylic iodide.
 cyclo-Hexane.
p-Hydroxybenzaldehyde.
p-Hydroxybenzaloxime.
p-Hydroxybenzoic acid.
p-Hydroxybenzonitrile.
p-Hydroxybenzylideneacetone.
p-Hydroxybenzylideneaniline.
p-Hydroxybenzylidenenaphthylamine.
p-Hydroxybenzylidenephénylhydrazine.
p-Hydroxybenzylidene-*p*-toluidine.

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p-Hydroxycinnamic acid.
Hydroxymethylquinolinesulphonic acid.

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Methylcyclohexane.

Methylic iodide.

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α -Naphthylpropylsulphone.

Pentadecylic acid.

Phenetoil.

4-Phenetidine.

Phenyldithienylmethane.

Phenylpropylsulphone.

Propylamine.

Salicylic chloride.

Succinic acid.

Terephthalic acid.

Thymol.

Tolylpropylsulphone.

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Acetophenolenes.

Acetophenone.

Acetophenone-*p*-acetamidophenol.

Acetylacetone.

Acetylbenzoylpyrogallol dimethyl ether.

Acetylcarbinol.

α -Acetylcoumarone.

Acetyl ethyl hexyl ketone.

Acetylmesitylene.

Acetylmethyl hexyl ketone.

Acetylphenylmethylpyrazolone.

Acetylisopropyl hexyl ketone.

Acetylsafraninone.

Acetylsafranin.

Acetylthebaolquinone.

Amylaminohydroxyquinone.

2'-Anilino-3'-phenyldihydroquinazolone-4'.

Ketones and Quinones. See:—

2':2':3-Anilinophenylmethylidiketohydrindene.

Anilinoisorosindone.

Anisic acetone.

p-Anisyl chloromethyl ketone.

Anisyl dichloromethyl diketone.

Anisylidenemethyl isopropyl ketone.

Anthraquinone.

Benzeneazodeoxybenzoin.

Benzil.

Benzophenone.

Benzoylacenaphthene.

Benzoylacetone.

Benzoylanthracene.

Benzoylbenzoguaiacol.

p-Benzoylbenzyl alcohol.

p-Benzoyldiphenylmethane.

o-Benzoyldiphenylsulphone.

Benzoylfluorene.

Benzoylguaiacol.

Benzoylmethyl *m*- and *p*-tolyl ethers.

Benzoylphenanthrones.

Benzoylpyrogallol.

Benzoylpyrogallol dimethyl ether.

Benzoylpyrogallol trimethyl ether.

Benzoylretene.

p-Benzoyltriphenylmethane.

Benzoylveratrole.

Benzyl ethyl ketone.

Benzylideneacetone.

Benzylideneacetophenone.

Benzylidenemethylisooxazolone.

Benzyl methyl ketone.

Benzyl propyl ketone.

bis-Phenylmethylidiketohydrindene.

bis-Phenylmethylpyrazoloneazodiphenyl.

3-Butylisocarbostyryl.

Butyryldiphenyl.

Camphorone.

Camphorquinone.

Carvone.

Cholestenone, oxy-.

Cinnamoyl benzyl cyanide.

Cinnamylidenemethylisooxazolone.

Coumarone.

γ -Cumyl methyl ketone.

Deoxybenzoin.

Deoxymesitylic oxide.

Deoxyphorone.

Diacetyl-*m*-cresol.

Diacetyldurene and Diacetylisodurene.

Diacetylmesitylene.

Diacetylmesitylene.

Diacetyl-1:3:5-triethylbenzene.

2:4-Diacetyl-*m*-xylene.

Dianilidoquinone.

Dianisole ketone.

α -Dibenzoylacetylmethane.

$\alpha\beta$ -Dibenzoylcinnamene.

Dibenzylidenetropinone.

Ketones and Quinones. See :—

Dibutylmesitylene.
 Di-*iso*-butylmesitylene.
 Dicamphanhexane-1 : 4-dione.
 Dicamphor.
 Dicamphorquinone.
 Diethylcyclohexanone.
 Diethyl ketone.
 Diethylcyclopentanone.
 Diheptylmesitylene.
 1 : 2-Dihydroxybenzophenone.
 3' : 4'-Dihydroxybenzylideneindane-dione.
 Dihydroxyflavone.
 Dihydroxymethylheptanone.
 3 : 6-Dihydroxyxanthone.
p'-Diketohexahydrotetrazine.
 Diketohydrindone.
 Dimethoxyflavone.
 Dimethoxyquinonedimethylhemiacetal.
 Dimethylcoumarone.
 1 : 3-Dimethyl-4 : 5-diketocyclohexene.
 Dimethylcyclohexanones.
 Dimethylindolinones.
 Dimethylketocyclopentene.
 ω -Dimethyllevulinic methyl ketone.
 Dimethylisooxazolone.
 Dimethylcyclopentanone.
 2 : 4-Dimethylpyridone.
 1' : 2'-Dimethylquinolone-4'.
 1 : 3-Dimethyl-*o*-quinone.
 1' : 3'-Dimethylthioketoquinazoline.
 Di- β -naphthylsulphonacetone.
cyclo-Dipentenecyclopentanone.
 Diphenetol ketone.
 Diphenoxyquinone.
 Diphenylacetophenone.
 Diphenylindone.
 β -Diphenylmethyl ethyl ketone.
 Diphenylcyclopentanone.
 1 : 2-Diphenyl-6-pyridone.
 Diphtalylethane.
 Diphtalylethylene.
 Dipropionylmesitylene.
 Dipropyl ketone.
 α -Dithienylethyl methyl ketone.
 Divalerylmesitylene.
 Ethoxymethyleneacetone.
 Ethyl *iso*-butyl ketone.
 Ethylcoumarone.
 Ethyldeoxybenzoin.
 Ethylcyclohexanone.
 Ethylpentadecyl ketone.
 Ethylcyclopentanone.
 Ethyl propyl ketone and Ethyl *iso*-propyl ketone.
 Ethylisorosindone.
 2'-Ethylthio-3'-phenyldihydroquinazolinone.
 Fenchone.
 Furfurylidenemethylisooxazolone.

Ketones and Quinones. See :—

Gallacetophenone.
 Gallodiacetophenone.
cyclo-Heptanone.
 Hexahydrobenzophenone.
cyclo-Hexanone.
cyclo-Hexenecyclohexanone.
 α -Hydrindone.
 Hydrindones.
 Hydrindonylhydrindone.
 Hydroxyacetophenones.
 Hydroxyallyldihydropyridone.
 Hydroxybenzophenone.
p-Hydroxybenzylideneacetone.
 Hydroxycamphor.
 Hydroxyethyldihydropyridone.
 Hydroxyketocoumaran.
 Hydroxymethoxyflavone.
 2 : 1 : 5-Hydroxymethylacetophenone.
 Hydroxymethyldihydropyridone.
 Hydroxymethyleneacetylacetone.
 Hydroxymethylethyldihydropyridone.
 Hydroxyphenyldihydropyridone.
 Hydroxyphenyl *p*-tolyl ketone.
 Hydroxyisorosindone.
 Hydroxytrimethyldihydropyridone.
 Indonylhydrindone.
 Ionone.
 Ketazocamphadione.
 Ketocoumaran.
 Ketodihydrophenoparathiazine.
 Ketothiotetrahydroquinazoline.
 Menthone.
 Mesityl oxide.
 Mesityl pentadecyl ketone.
 Methenyl-bis-acetylacetone.
 Methoethylheptanonolide.
m-Methoxyflavone.
 Methoxymethyleneacetylacetone.
 Methoxynaphthyl methyl ketones.
 Methoxynaphthyl propyl ketones.
 Methoxyphthalonic acid.
 Methoxyisorosindone.
 Methyl aminohexyl ketone.
 Methylbenzoylisooxazolone.
 Methylcoumarone.
 Methyldeoxybenzoin.
 Methylidiketocyclohexenehydrate.
 Methyleneacetylacetone.
 Methylenebisacetylacetone.
 Methylenebisdihydroresorcinol.
 Methyl ethyl ketone.
 5 : 4-Methylethylisooxazolone.
 Methylheptenone.
 Methyl heptylene ketone.
 Methylhexanone.
 Methylcyclohexanones.
 Methylcyclohexenecyclohexanone.
 Methylcyclohexenone.
 Methyl hexyl ketone.
 Methylketocyclopentene.
 Methylmethylolheptanoneol.

Ketones and Quinones. See :—

Methylisooxazolone.
 Methyloxytriazine.
 Methylcyclopentanone.
 Methylcyclopentenecyclopentanone.
 Methylphenylpyruvic acid.
 2'-Methyl-3'-isopropylisocarbostyryl.
 Methylisopropylcyclohexenones.
 Methyl propyl ketone.
n-Methylrosindone.
 Methyl-*o*-quinone.
 Michler's ketone.
 Naphthaquinone.
 Naphthyl isobutyl ketone.
 Naphthyl ethyl ketone.
 Naphthyl methyl ketone.
 Naphthyl propyl ketone.
 Naphthyl isopropyl ketone.
 Naphthylsulphonacetone.
 Octanoylbenzene.
 Onoketone.
cyclo-Pentadione.
cyclo-Pentenecyclopentanone.
 Pentethylphenyl methyl ketone.
 Peonol.
 Phenacylaniline.
 Phenacylnaphthylamines.
 Phenacyl-*p*-phenetidine.
 1-Phenacyltetrahydroquinoline.
 Phenacyl-*as-m*-xylidine.
 Phenanthrone.
 Phenetyl dichloromethyl diketone.
 Phenoxyacetone.
 Phenylacetobenzyl cyanide.
 Phenyl aminoethyl ketone.
 Phenyl anilinoethyl ketone.
 Phenyl benzamidoethyl ketone.
 2' : 2' : 3-Phenylbenzylmethylidiketo-hydrindene.
 Phenyl butyl ketone.
 Phenylisocarbostyryl.
 1 : 4-Phenylcinnamylidene-3 : 5-pyrazolidone.
 Phenyl cyanobenzyl ketone.
 3'-Phenyldihydro-quinazoline-4'.
 3'-Phenyl-2' : 4'-diketotetrahydroquinazoline.
 Phenyl dimethyldihydroresorcinol.
 2' : 3 : 2'-Phenyldimethyldiketohydrindene.
 1-Phenyl-3-dimethyl-5-pyrazolidone.
 Phenyl ethyl ketone.
 Phenyl heptadecyl ketone.
 Phenyl heptyl ketone.
 Phenylketo-*m*-diazine.
 Phenylketotetrahydroquinazoline.
 1-Phenyl-4-methoxybenzylidene-3 : 5-pyrazolidone.
 2' : 3-Phenylmethylidiketohydrindene.
 3 : 1-Phenylmethylidiketoquinazoline.

Ketones and Quinones. See :—

2' : 3 : 2'-Phenylmethylthyldiketohydrindene.
 Phenyl methyl ketone.
 1-Phenyl-3-methyl-5-ketopyrazolone.
 2'-Phenyl-1-methyl-4'-quinolone.
 Phenyl naphthyl ketone.
 Phenyl- β -naphthylsulphonacetone.
 Phenylisooxazolone.
 Phenyl propyl ketone.
 1-Phenylpyrazolidone.
 2-Phenyl-6-pyridone.
 Phenylpyruvic acid.
 1-Phenyl-2 : 3 : 3-trimethyl-5-pyrazolidone.
 Phorone.
 Piperonylidenemethylisooxazolone.
 Propionylmesitylene.
 Propylidenemethylisooxalozone.
 Propyl pentadecyl ketone.
 Pulegone and *iso*-Pulegone.
 Quinone.
 Resacetophenone.
 Rosindone.
 Rufigallol.
 Safraninone.
 Safranin.
 Salicylidenemethylisooxazolone.
 Suberone.
 Tanacetoketone.
 Tanacetone.
 Tetrahydroxybenzophenone.
 Tetrethylquinone.
 Thebaolquinone.
 Thujamenthone.
 Thujone.
 Toluquinone.
 1-*p*-Tolyl-4-benzylidene-3 : 5-pyrazolidone.
 3'-*p*-Tolylketotetrahydroquinazoline.
 3' : 1'-Tolylmethylidiketoquinazoline.
 Tolyl methyl ketone.
p-Tolyl-naphthylsulphonacetone.
 1-*p*-Tolyl-4-isopropylidenepyrazolidone.
 1-*p*-Tolyl-3 : 5-pyrazolidone.
o-Tolylsulphonacetone.
 Trihydroxyflavone.
 1 : 2 : 3-Trihydroxybenzophenone.
 Triketohydrindene.
 Trimethylcoumarone.
 Trimethylcyclohexanone.
 1 : 3 : 3-Trimethylcyclohexenone.
 Trimethyl-*o*-quinone.
 1 : 2' : 3'-Trimethyl-4-quinolone.
 Xyloquinone.
 Xylol methyl ketones.
m- and *p*-Xylol heptadecyl ketones.
Ketonic acid, $C_8H_{14}O_3$, from the oxidation of β -camphylic acid, and its semicarbazone (W. H. PERKIN, jun.), P., 1896, 191.

- Ketonic acids**, ethylic salts of, condensation of, with ethylic cyanacetate in the presence of amines (GUARESCHI), A., i, 168.
- d*-Ketopinic acid (GILLES and RENWICK), P., 1897, 158.
- i*-Ketopinic acid, its oxidation, and its oxime and bromo-derivative (GILLES and RENWICK), P., 1897, 65.
- Ketothiotetrahydroquinazoline** (RUPE), A., i, 417.
- Kidney bean**. See *Phaseolus vulgaris*.
- Kidneys**, action of oxalic acid and its derivatives on the (EBSTEIN and NICOLAÏER), A., ii, 422.
- Kieserite**, spectroscopic analysis of (HARTLEY and RAMAGE), T., 550; P., 1897, 47.
- Kino** from *Myristica* (SCHAER), A., ii, 278.
- Kirschwasser**, estimation of benzaldehyde in (CUNIASSE and DE RACKOWSKI), A., ii, 527.
- Kjeldahl's process**, study of (RIVIÈRE and BAILHACHE), A., ii, 385.
- Kola nuts**, valuation of (CARLES), A., i, 435.
- Kolanine**, extraction of, from kola nuts and estimation of, in (CARLES), A., i, 435.
- Koprosterol**. See Coprosterol.
- Kosmochlor**. See Cosmochlore.
- Kyanite** from Sweden (IGELSTRÖM), A., ii, 268.
- Kynurenic acid**, sources of urinary (CAPALDI; SOLOMIN), A., ii, 576. estimation of (CAPALDI), A., ii, 608.

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- Labradorite** from Minnesota (WINCHELL), A., ii, 54.
- Laccase**, co-existence of, with tyrosinase in fungi (BERTRAND), A., ii, 117.
- Lactareus vellereus* and *L. velutinus*, the oxidising ferment of (BOURQUELOT), A., ii, 223.
- Lactic acid** (*inactive ethylidenelactic acid*; *α -hydroxypropionic acid*), occurrence of, in the stomach in disease (DE JONG), A., ii, 607. and its boiling point and distillation (DYES), A., i, 236. separation of, into its active components (PASTEUR LECT.), T., 693. detection of (DE JONG), A., ii, 607. estimation of (ULZER and SEIDEL), ii, 389.
- Lactic acid**, methylic salt, rotatory power and dispersion of (GUYE and MELIKIAN), A., ii, 199.
- Lactic acid**, α -thio-. See Methylthioglycollic Acid.
- Lactide** and its sublimation temperature (DYES), A., i, 237.
- Lactone**, $C_9H_{17}NO_3 + 2H_2O$, obtained by the action of arsenic acid on meroquinene (KOENIGS), A., i, 498.
- $C_{10}H_{16}O_3$, from thujamenthone, and its oxime (WALLACH), A., i, 247.
- $C_{12}H_{18}O_7Br_2$, obtained from the condensation product of ethylic acetonedicarboxylate (JERDAN), T., 1112.
- $C_{12}H_{16}O_7$, obtained by action of sodium on ethylic acetonedicarboxylate, and its hydrolysis (JERDAN), T., 1110, 1113; P., 1897, 168.
- $C_{12}H_{11}NO_4$, from orthamidophenol and ethylic oxalacetate, and action of alcoholic soda on (WISLICENUS and BECKH), A., 398.
- Lactones**, *cis*- and *trans*-isomerism of (VON BAEYER and VILLIGER), A., i, 597.
- Lactones**. See also:—
- γ -Acetylbutyrolactone.
 - γ -Acetyl- β -phenylbutyrolactone.
 - β -Anhydrobenzyllevulolactone.
 - Antiaronic acid lactone.
 - Azo-opianic anhydroacetate.
 - γ -Benzoyl- β -phenylbutyrolactone.
 - Butyrolactonecarboxylic acid.
 - Campholenolactone.
 - Camphorsulpholactone.
 - Coumarin.
 - Dibenzoylsuccinic acid, monethylic salt, lactone of.
 - Dihydrocampholenolactone.
 - Dihydroxydimethylacetoacetic acid, lactone of.
 - 2:4-Dihydroxydiphenylacetic lactone.
 - $\beta\delta$ -Dimethylbutylenecarboxylic acid, lactone of.
 - Dimethylmalic acid, β -lactone of.
 - $\beta\gamma$ -Diphenyl- γ -butyrolactone.
 - Diphenylcrotonolactone.
 - Gulonic lactones.
 - α - and β -Hemipinobenzyl-*iso*-imide.
 - iso*-Hexolactone (*iso*-caprolactone).
 - Hexo- δ -lactone (caprolactone).
 - Hexo- δ -lactone- δ -carboxylic acid.
 - Hydroalantolactonecarboxylic acid.
 - Hydroalantolactonitrile.
 - Hydroxy-*iso*-camphoron lactone.
 - Hydroxycamphorsulphonic lactone.
 - Hydroxydihydrocampholenolactone.
 - Hydroxydimethyltricarballic lactone.
 - o*-Hydroxydiphenylacetic lactone.
 - Hydroxyethoxydiphenylacetic lactone.
 - Hydroxyheptic acid, lactone of.
 - Hydroxymethylvalerolactone.
 - δ -Hydroxy- β -phenylhexolactone.

Lactones. See also:—

- α - and β -Hydroxysantonin.
- Levulinic lactone.
- Methoethylheptanonolide.
- Methylaminoethylpentolide.
- Methylnoropianic acid.
- Oxalocitrolactone.
- Phenyl- β -hydroxynaphthylacetic lactone.
- Phenyl-*m*-hydroxytolylacetic lactone.
- Phenylquinylacetic lactone.
- Phthalophenylisoimide.
- Pinarin.
- Raphanol.
- Santonin.
- Sedanolide.
- Stearolactone.
- 2 : 4 : 2' : 4'-Tetrahydroxydiphenylacetic acid lactone.

Lactonic acid, $C_8H_{10}O_6$, from dimethyltricarballic acid (TIEMANN and SEMMLER), A., i, 159.

Lactose (*milk-sugar*), heat of transformation of the α - into the β -variety (BROWN and PICKERING), T., 767; P., 1897, 129, 130.

heat of dissolution of (BROWN and PICKERING), T., 769.

freezing points of dilute aqueous solutions of (WILDERMANN), T., 802; P., 1897, 139.

molecular volume of (PIONCHON), A., i, 547.

various hydrazones of (VAN EKENSTEIN and DE BRUYN), A., i, 41.

action of alcohol on aqueous solution of (TANRET), A., i, 392.

reducing power of (TARULLI and MAMELLI-CUBEDDU), A., ii, 354.

estimation of, by means of iodine (ROMIJN), A., ii, 466.

estimation of, in human milk (THIBAUT), A., ii, 80.

estimation of, in milk (RICHMOND and BOSELEY), A., ii, 525.

estimation of, in terms of copper oxide (DEFREN), A., ii, 193.

γ -**Lactose** (γ -*milk-sugar*) (TANRET), A., i, 392.

Lactose-yeast, fermentation of galactose by (BAU), A., ii, 423.

Lactylcarbamide, nitro-, action of baryta water on (FRANCHIMONT and VAN ERP), A., i, 6.

β -**Lactylcarbamide** (VAN DAM), A., i, 23.

Laminaria digitata, condition of the iodine on (ESCHLE), A., ii, 339.

Lanopalmic acid from wool fat (DARMSTAEDTER and LIFSCHÜTZ), A., i, 180.

Lanthanum, separation of, from monazite (DROSSBACH), A., ii, 38.

Lanthanum oxide, estimation of (GLASER), A., ii, 191.
silicotungstate (WYRUBOFF), A., ii, 176.

Lapacho wood, lapachonone from (CROSA and MANUELLI), A., i, 630.

Lapachonone, properties of, and its dichloro-derivative (CROSA and MANUELLI), A., i, 630.

Lapaconitine, occurrence of, in *A. Septentrionale*, its properties and tribromo-derivative (ROSENDAHL), A., i, 303.

Lard, analysis of (VON RAUMER), A., ii, 389.

Lathyrus, occurrence of choline and betaine in various species of (JAHNS), A., i, 382.

Lathyrus sylvestris, action of nodule-bacteria on (NOBBE and HILTNER), A., ii, 64.

Laumontite, genesis of (LACROIX), A., ii, 506.

Laurel oil, action of stannous chloride on (HIRSCHSOHN), A., ii, 236.

Lauroic acid, amino-, ethylic salt, sulphate (NOYES), A., i, 191.

iso-**Laurolic acid**, and its chloride and nitrile (BLANC), A., i, 538.

iso-**Laurolic chloride**, action of zinc methyl on (BLANC), A., i, 554.

iso-**Laurolylic cyanide** (BLANC), A., i, 538.

Lava, altered Vesuvian (LOEWENSONLESSING), A., ii, 56.

Lavender oil, examination of (SCHIMMEL and Co.), A., ii, 435.

Lead, occurrence of, in common minerals (HARTLEY and RAMAGE), T., 533 P., 1897, 11.

electromotive force required for the separation of (NERNST), A., ii, 395.
thermo-electric properties of (BURNIE), A., ii, 439.

diffusion of, in mercury (MEYER), A., ii, 482.

reaction of lead sulphate and of sulphurous anhydride with (JENKINS and SMITH), T., 671, 672; P., 1897, 104.

solubility of, in potable waters (ANTONY and BENELLI), A., ii, 37.

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Lead alloy with calcium (WARREN), A., ii, 213.

with copper and silver, freezing points of (HEYCOCK and NEVILLE), A., ii, 245.

with gold and silver, liquation of (MATTHEY), A., ii, 323.

with zinc, freezing points of (HEYCOCK and NEVILLE), T., 394; P., 1897, 61.

Lead chloride, crystallography of

(STÖBER) A., ii, 409.

rate of solution of (NOYES and WHITNEY), A., ii, 479.

rubidium chlorides (ERDMANN and KÖTNER), A., ii, 98.

chlorate, solubility of (MYLIUS and FUNK), A., ii, 443.

nitrate, freezing point and concentration of the saturated aqueous solution of (DE COPPET), A., ii, 305.

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and barium nitrate and formates, solubility of isomorphous mixtures of (FOCK), A., ii, 480.

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metaplumbate and metallic metaplumbates (HOEHNEL), A., ii, 36.

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sulphate, action of gaseous hydrogen chloride on (COLSON), A., ii, 211.

melting points of mixtures of sodium sulphate with (LE CHATELIER), A., ii, 135.

sulphite, occurrence of, in a mineral (PENFIELD and FOOTE), A., ii, 563.

sulphide, action of oxygen on heated (JENKINS and SMITH), T., 666; P., 1897, 104.

reaction of lead sulphate with (JENKINS and SMITH), T., 669; P., 1897, 104.

thiosulphate and strontium thiosulphate, solubility of isomorphous mixtures of (FOCK), A., ii, 480.

Lead, detection, estimation, and separation of—reaction of, with nitroso- β -naphthol (BURGASS), A., ii, 163.

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estimation of, in bronze and brass (HOLLARD), A., ii, 521.

estimation of, in commercial copper (HOLLARD), A., ii, 190.

Lead, detection, estimation, and separation of—

estimation of, in minerals (GIORGIS), A., ii, 346.

estimation of, in monazite sand (GLASER), A., ii, 191.

estimation of, in potable waters (ANTONY and BENELLI), A., ii, 75.

separation of bismuth from (BENKERT and SMITH), A., ii, 435.

separation of copper from (MURMANN), A., ii, 346.

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(SUZUKI), A., ii, 580.

the reducing substance of green (CURTIUS and REINKE), A., ii, 584.

Lecanora, constituents of various species

of (HESSE), A., i, 256; (ZOFF), A., i, 364, 436.

Lecanorol, occurrence of, in *Lecanora atra* (ZOFF), A., i, 436.**Lecasteric acid and its anhydride**

(HESSE), A., 257.

Lecithin, physiological significance of, in plants (STOKLASA), A., ii, 116.

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- Leucodendron concinnum*, bitter principles contained in (MERCK), A., i, 167.
- Leucodrin**, and its acetyl derivative (MERCK), A., i, 167.
- Leucoglycodrin** (MERCK), A., i, 167.
- Leunonic acid**, constitution and properties of (KOENIGS), A., i, 497. and its acetyl derivative (SKRAUP), A., i, 99.
- Levisticum officinale*, oil of, constituents of (BRAUN), A., i, 428.
- Levulinic acid** (*β -acetylpropionic acid*, *acetonylacetic acid*), from α -hydroxypentenoic acid (FITTIG), A., i, 15. heat of combustion and formation of (BERTHELOT and ANDRÉ), A., i, 322. action of dehydrating agents on (BERTHELOT and ANDRÉ), A., i, 15. estimation of (BERTHELOT and ANDRÉ), A., i, 134.
- Levulinic anhydride**, $\beta\delta$ -dibromo- (WOLFF and RÜDELL), A., i, 216.
- Levulinic lactone**, heat of combustion and formation of (BERTHELOT and ANDRÉ), A., i, 322.
- Levulose** (*d-fructose*, *fruit sugar*), occurrence of, in *Amorphophallus Konjak* (ISUKAMOTO), A., ii, 275. heat of transformation of the α - and the β -variety (BROWN and PICKERING), T., 765; P., 1897, 129, 130. heat of dissolution of (BROWN and PICKERING), T., 769. molecular volume of (PIONCHON), A., i, 547. anhydrous, solution-density and cupric-reducing power of (BROWN, MORRIS and MILLAR), T., 277, 280, 284; P., 1897, 4. action of acids on (BERTHELOT and ANDRÉ), A., i, 134. action of alkali on (FRAMM), A., i, 5. action of benzhydrazide and of hydrazine hydrate on (DAVIDIS), A., i, 5. decomposition of, by water (RAÝMAN and SULČ), A., ii, 137: behaviour of, in the organism (VOIT), A., ii, 511. estimation of, by means of iodine (ROMIJN), A., ii, 466.
- Levuloseketazine** (*fructoseketazine*) (DAVIDIS), A., i, 5.
- Levulosephloroglucide** (*d-fructosephloroglucide*), and its bromo- and chloro-derivatives and anhydride (COUNCLER), A., i, 613.
- Levre de Duclaux**, nutrition of (PFEFFER), A., ii, 224.
- Levre lactique** (PASTEUR LECT.), T., 712.
- Lewisite** from Brazil (HUSSAK and PRIOR), A., ii, 411.
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Acetonitrile.
p-Acetoxybenzonitrile.
Anilinophenyldihydroresoreylonitrile.
Anisonitrile.
Benzenediazophenyldihydroresoreylonitrile.
Benzonitrile.
 α -Campholenonitrile.
Camphoric acid, β -mononitrile.
Cerotnitrile.
Cinnamoylbenzylic cyanide.
Citronellic nitrile.
Crotononitrile.
Cuminonitrile.
Dibenzylmalononitrile.
Diethylmalononitrile.
p-Dimethylaminobenzonitrile.
Dimethylmalononitrile.
Dipropylmalononitrile.
o-Ethylbenzonitrile.
Ethylideneaniline nitrile.
Geranionitrile.
Glycollic nitrile.
Hydroalantolactonitrile.
Hydroalantolic acid nitrile.
Hydroxybenzonitrile.
Hydroxymethylenebenzylic cyanide.
 β -Hydroxy- $\alpha\gamma$ -trimethylvaleronitrile.
Iminobenzoyl benzyl cyanide.
Malononitrile.
Mandelonitrile.
 β -Naphthoxyacetoneitrile.
 β -Naphthylacetoneitrile.
Nitriloacetoneitrile.
Phenylacetobenzyl cyanide.
Phenyldihydroresoreylonitrile.
Phenylmethyldihydroresoreylonitrile.
o-Phthalonitrile.
Propionitrile.
p-Tolylxyacetoneitrile.
 $\alpha\beta\gamma$ -Triphenylcrotonitrile.

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Acetbutyl-*o*-toluidide.
Acetonylcarbamide.
Aceto-*p*-phenylenediamine.
Acetoxydiphenyltriazole.
Anhydro- β -oximidobenzoyloxalic acid.
Aniline.
Anilinobenzoic acid.
o-Anilinocyclohexanecarboxylic acid.
Anilinophenylphenylthiobiazoline.
Anilinosulphonic acid.

Nitro-derivatives. See under :—

Anilinothiobiazole.
Anilinotholuenene.
Anisic acid.
p-Anisidine.
Anisoil.
Anisylphosphinic acid.
Anthragallol.
Anthranilic acid.
Anthraquinone.
Anthraquinonemonoureine.
Azinidobenzene.
Barbituric acid.
Benzaldehyde.
 α -Benzaldoxime.
Benzamide.
Benzene.
Benzeneazoaminonaphthalenesulphonic acid.
Benzencazophenol.
Benzenediazoic acid.
Benzenediazosulphonic acid.
Benzenesulphonamide.
Benzenesulphonanilide.
Benzenesulphonic acid.
Benzenesulpho-*p*-toluidide.
Benzenesulpho-*m*-xylylide.
Benzoic acid.
Benzoic chloride.
Benzoic peroxide.
Benzoicsulphinide.
Benz-*o*-nitranilide.
Benzonitrile.
Benzo-*p*-phenylenediamine.
Benzopinacol.
Benzoylbenzhydroxamic acid.
Benzoylhydroxamic acid.
Benzoyloxydiphenyltriazole.
Benzoylphenylcarbamide.
Benzoylguaiacol.
Benzylallylamine.
Benzyl-*iso*-amylamine.
Benzylaniline.
Benzylanisidine.
Benzylbenzaldoxime.
 β -Benzyl-*iso*-benzaldoxime.
Benzylethylamine.
Benzylhydroxylamine.
Benzylic alcohol.
Benzylic bisulphide.
Benzylic chloride.
Benzylic mercaptan.
Benzylic methylic sulphide.
Benzylic sulphide.
Benzylic thiocarbamate.
Benzylic thiocyanate.
Benzylideneacetone.
Benzylideneaminoguanidine.
Benzylidene bromide.
Benzylidenemethylisooxazolone.
Benzylmethylamine.
Benzylnitraniline.

Nitro-derivatives. See under :—

Benzyl-*o*-phenylenediamine.
 Benzylpropylamine.
 Bis-benzylallylamine.
 Bis-benzyl-*iso*-amylamine.
 Bis-benzylaniline.
 Bis-benzylethylamine.
 Bis-benzylhydroxylamine.
 Bis-benzylmethylamine.
 Bis-benzylpropylamine.
 Bisnitrosylbenzene.
iso-Butylglycol.
p-*iso*-Butylphenoxyacet-*m*-anilide.
 Butyltoluene.
tert-*p*-Butyltoluene.
 Butyl-*o*-toluidine.
 Camphenylamine.
 Camphenylnitramines.
 Campholenonitrile.
 Camphor.
 Carbamide.
 Carbanilide.
 Carbazole.
 Carboxyphenylmalonic acid.
 Cinnamic acid.
 Cresol.
 ψ -Cumene.
 ψ -Cumylphosphonic acid.
 1 : 3-Dianilino-4 : 6-benzene.
 Dianilinoquinone.
 Diazobenzene.
 Diazobenzeneacetoacetic acid, ethylic salt.
 Diazobenzene ethane.
 Diazobenzene methylic ether.
 Dibenzoylbenzhydroxamic acid.
 Dibenzyl.
 Dibenzylamine.
 Dibenzylaminophenylphenylthio-
 azoline hydrochloride.
 Diethyl ketone.
 Dihydrocampholenolactones.
 Dihydroxyflavone.
 4 : 6-Dihydroxy-2-methylpyridine.
 Dimethylamine.
 Dimethylbarbituric acid.
 3' : 3'-Dimethylindoline.
 3' : 3'-Dimethyl-2'-indolinone.
 Dimethylquinoline.
 Dimethylquinoxaline.
 Diphenylamine.
 Diphenyldisulphonedimethylamine.
 Diphenyldisulphonedimethylene ether.
 Diphenylene bisulphide.
 Diphenylethylenedisulphone.
 Diphenylic sulphide.
 1 : 5-Diphenyloxytriazole.
 2 : 6-Diphenylpyridine.
 2' : 3-Diphenylquinoxaline.
 Dracoalban.
iso-Durene.
 Ethane.

Nitro-derivatives. See under :—

Ethoxybenzoic acid.
 3-Ethoxy-1 : 5-diphenyltriazole.
 Ethoxynaphthalene.
 Ethyl *iso*amyl ketone.
 Ethylbenzene.
o-Ethylbenzoic acid.
 Ethylbenzoylcarboxylic acid.
bis-*o*-Ethylbenzoylhydrazine.
 Ethyl *isobutyl* ketone.
 Ethylbutyltoluidine.
 Ethylene.
 Ethyl *isopropyl* ketone.
 Fenchone.
 Fenchonimine.
 Fluorescein.
 Guanazylbenzene.
 Hydantoin.
 Hydrocarbon, C_7H_{14} .
 Hydroxybenzoic acid.
 Hydroxylamine.
 Hydroxylamineanthraquinone.
 Lactylcarbamide.
 Lauronolnitrile.
 Lauronolylic cyanide.
 Menthone.
 Methane.
 Methoxybenzoylcarboxylic acid.
 Methoxynaphthalene.
 Methylacetanilide.
 Methylallylamine.
 Methylamine.
 Methylcarbamide.
 Methyl ethyl ketone.
 Methylhydantoin.
 Methylphenomorpholine.
 Methylphenylpyruvic acid.
 Methyl-*o*-phenylurethane.
 Methylphthalide.
 Methylpropylamine.
 Methyl-*p*-toluidine.
 Naphthalene.
 β -Naphthaquinone-ureine and diureine.
 Naphthol.
 Naphtholfurazane.
 Orcinol.
 Orcinol methyl ether.
 Phenacyl-*p*-chloraniline.
 Phenacyl- β -naphthylamine.
 1-Phenacyltetrahydroquinoline.
 Phenacyl-*as*-*m*-xylidene.
 Phenanthrenequinone-ureine and diureine.
 Phenetol.
 Phenol.
 Phenoldiazosulphonic acids.
 Phenolsulphonic acids.
 Phenoxyacetanilide.
 Phenoxyacetic acid.
 Phenoxyacetone.
 Phenoxybenzenesulphonic acid.

Nitro-derivatives. See under :—

Phenoxybenzoic acid.
 Phenylacetic acid.
 Phenylacetodimethylamide.
 Phenylacetomethylamide.
 Phenylbenzylhydroxycarbamide.
 Phenylcarbamic acid.
 Phenylcarbamide.
 Phenylcarbimide.
allo-Phenylcinnamic acids.
 Phenylisocoumarin.
 Phenyldiamylcarbamide.
 Phenyldibutylcarbamide.
 Phenyldiethylcarbamide.
 Phenyldihydroresorcylic acid.
 Phenyldimethylcarbamide.
 Phenyldipropylcarbamide.
 Phenylenediamines.
 Phenylene-ethylamidine.
 Phenyleneiminotoluene.
 Phenylhydrazidobenzoic acid.
 Phenylhydrazinedisulphonic acid.
 Phenylhydrazinesulphonic acid.
 Phenylhydroxylamine.
 Phenylic sulphide.
 Phenylindazolone.
 Phenylmethylnitramine.
 Phenylmethylpyrazolone.
 Phenylmorphine.
 Phenylnitramine.
 Phenylphosphinic acid.
 Phenylpropionic acid.
 Phenylpropionodimethylamide.
 Phenylpropionomethylamide.
 Phenylpyruvic acid.
 Phenylsulphone-acetic acid.
 Phenylsulphone-ethylic alcohol.
sym-Phenyl-*o*-tolylurea.
 Phenylurethane.
 Phloroglucinol diethyl ether.
 Phloroglucinoldisazobenzeneazo-
 benzene.
 Phloroglucinol triethyl ether.
 Phthalic acid.
iso-Propylisobenzaldoxime.
iso-Propylphenylurethane.
 Quinonemonoureine.
 Quinoxaline.
 Resorcinol.
 Resorcinol diethyl ether.
 Salicylic acid.
 Salicylic chloride.
 Stilbene.
 Succinylphenylimide.
o-Sulphobenzoic acid.
p-Tetramethyldiaminotriphenyl-
 methane.
p-Tetramethyldiaminotriphenyl-
 methane-*p*-sulphonic acid.
 Tetraphenylethane.
 Tetraphenylethylene.
 Tetraphenylethylene dioxide.

Nitro-derivatives. See under :—

Tetraphenylethylene oxide.
p-Tetrehyldiaminotriphenylmethane-
p-sulphonic acid.
 Toluene.
 Toluenediazoic acid.
 Toluenediazosulphonic acid.
 Toluidine.
p-Tolylamine.
 Tolyldiethylphosphine oxide.
p-Tolyldimethylphosphine oxide
 Tolyldihydrazines.
 Tolyldihydrazinesulphonic acid.
p-Tolylmethylamine.
o- and *p*-Tolylphosphonic acids.
p-Tolylsuccinimide.
 1 : 3 : 5-Trianilinobenzene.
 Tribenzoylanthragallol.
 Trihydroxybutane.
 Trimethylene.
 Triphenodioxazines.
 Urethane.
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 - iso-Acetoacetic acid.
 - Anilinothiobiazole.
 - Antipyrine.
 - Azoimides.
 - Benzaldehyde.
 - Benzanilide.
 - Benzene.
 - Camphenone.
 - Camphor.
 - Carpaine.
 - Dimethylaniline.
 - Diphenylamine.
 - Diphenylcarbamide.
 - 3': 3'-Dimethylindoline.
 - 3': 3'-Dimethyl-2-indolinone.
 - Diphenylmethylamine.
 - Diphenylmethylaminesulphonic acid.
 - Ethyleneaniline.
 - Ethylene-*o*-toluidine.
 - Ethylideneanilines.
 - Ethylurethane.
 - Fenchone.
 - Hydrindone.
 - Menthene.
 - Methylantranilic acid.
 - Methylcarbamic acid.
 - 3-Methylthiobiazoline.
 - Naphthol.
 - β -Naphthylazobenzylaniline.
 - β -Naphthylazobenzyl-*o*-tolyl nitrosamine.
 - Naphtholsulphonic acids.
 - Phenol.
 - 1-Phenyl-3-dimethyl-5-pyrazolidone.
 - Phenylhydroxylamine.
 - Phenylhydroxylamine methyl ether.
 - 5-Phenylimino-2-phenylthiobiazoline.
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William Henry Walenn, T., 1206.

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 - Bergamot, oil of.
 - Bitter almond oil.
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 - Bucco leaves, oil of.
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 - Camphor leaf, oil of.
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 - Cinnamon oil.
 - Clove oil.
 - Cubeb oil.
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 - Hazel-nut oil.
 - Laurel oil.
 - Lavender, oil of.
 - Lemon oil.
 - Levisticum officinale*, oil of.
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 - Lovage, oil of.
 - Melilotus*, oil of.
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 - Ocimum basilicum*, oil of.
 - Olive oil.
 - Orange oil.
 - Palmarosa oil.
 - Patchouli oil.
 - Pepper oil.
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 Acetophenone oxime.
 Acetoxime.
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 γ -Acetylbutyric acid oxime.
 γ -Acetyl- β -phenylbutyric acid oxime.
 Acetylsalicylic acid oxime.
 Acraldoxime.
 iso -Amylacetoxime.
 Anilidophenyldihydroresorcylnitrile, dioxime of.
 α -Anisaldoxime.
 Anisylidihydroresorcinol dioxime.
 Anthraquinonemonoureine.
 Benzaldoximes.
 Benzamidoxime.
 Benzenediazophenyldihydroresorcinol dioxime.
 Benzilmonoxime.
 Benzophenoneoxime.
 Benzoylacetoxime.
 Benzoyl- α -anisaldoxime.
 Benzoylbenzaldoxime.
 Benzoyl- α -cuminaldoxime.
 α -Benzoyl- α -furfuraldoxime.
 γ -Benzoyl- β -phenylbutyric acid oxime.
 Benzoyl- α -propaldoxime.
 Benzoyl- α -salicylaldoxime.

Oximes. See:—

Benzyl-*iso*-benzaldoximes.
 Benzylideneacetoxime.
 Benzyl-*o*-nitro-*iso*-benzaldoxime.
iso-Camphenone oxime.
 Campholenamidoxime.
 Camphoroxime and *iso*-Camphoroxime.
 Carvoxime.
 Cinnamaldoxime.
 ψ -Cumenoxyacetaldoxime.
 α -Cuminaldoxime.
 Deoxybenzoin carboxylic acid oxime.
 Deoxymesityl oxide, α - and β -oximes.
 Di-*iso*-butaldehyde, oxime of
 Diethoxyquinoneoxime.
 Diethylketoxime.
 Dihydroxyacetoxime.
 Dilevulinic acid, oxime of.
 Dimethoxybenzoylpropionic acid,
 oxime of.
 Dimethyldihydroresorcinol, oxime of.
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 of.
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 Diphenylacetoacetic acid, ethylic salt,
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 1 : 2-Diphenyldihydropyrrolone-3-carb-
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 β -Diphenyl methyl ethyl ketoxime.
 Diphenylcyclopentenonethyloic acid,
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 Diquinoyltetroxime.
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 Ethylenic oxide, oxime of.
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 Ethylphenoxyacetaldoxime.
 Ethyl *isopropyl* ketone, *isonitroso*-.
 Fenchone oxime.
 Filicic acid, oxime of.
 Formaldoxime.
 α -Furfuraldoxime.
 Furfuryldihydroresorcinol dioxime.
 Heptaldoxime.
cyclo-Hexenecyclohexanone oxime.
 Hydrindoneoxime.
 Hydroxyacetoxime.

p-Hydroxybenzaldoxime.
 Hydroxycamphoroxime.
 Hydroxylamidodihydrocamphorone-
 oxime.
 Hydroxynaphthaquinonedioxime.
 Hydroxyphenylnaphthaquinoneoxime.
iso-Ketocamphoric acid, oxime of.
 Ketopinic acid, oxime of.
 Ketoxime, $C_{10}H_{17}NO$, from *iso*-
 lauronic chloride and zinc methyl.
 Maleic acid-aldoxime, bromo-.
 Menthoneoxime.
 Mesityloxime.
 Mesoxalic acid, ethylic salt, oxime of.

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Methoethylheptanonolide, oxime of.
 Methylacetaldoxime.
 Methylacetophenoxime.
 Methyl *isobutyl* diketoxime.
 Methyldihydroresorcinol, oxime of.
 Methyldioximidoethylisooxazolon-
 oxime.
 Methylformaldoxime.
 Methylcyclohexenecyclohexanoneoxime.
 Methyloximinidoacetylisooxazolonon-
 oxime.
 5-Methyl-3-oximidoethyl-4-*iso*-
 oxazolonoxime.
 Methylcyclopentenecyclopentanone-
 oxime.
 Methyl *isopropyl* diketoxime.
 Methylisopropylcyclohexenoneoximes.
 Mucophenoxybromoxime anhydride.
 Mucophenoxychloric acid oxime.
 β -Naphthaquinonemonoureine.
 β -Naphthoxyacetaldoximes.
 Naphthyl *isobutyl* ketoximes.
 Naphthyl ethyl ketoximes.
 Naphthyl methyl ketoximes.
 Naphthyl propyl ketoximes.
 Naphthyl *isopropyl* ketoximes.
 Naphthylsulphonacetoneoxime.
*Enanthal*doxime.
 Onoketoxime.
 Oxalenphenylhydrazidamidoxime.
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 Phenanthraquinonemonoureine.
 ω -Phenoxyacetophenoneoxime.
 Phenoxyacetoxime.
 Phenylbenzenylamidoxime.
 Phenyl cyanobenzyl ketoxime.
 Phenyldihydroresorcinol oxime.
 Phenyl heptadecyl ketoxime.
 Phenyl heptanyl ketoximes.
 Phenylmethyldihydroresorcylnitrile,
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 2' : 3-Phenylmethyldiketohydrindene
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 Phenyl naphthyl ketoxime.
 Phenyl naphthylsulphonacetone, oxime
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 Pinonic acid oximes.
 α -Propalldoxime.
iso-Propyl-*m*-nitro-*iso*-benzaldoxime.
 Propyl pentadecyl ketoxime.
 Pulegone oxime.
 Pyridylphenylketoximes.
 3-Quinolyl-1-phenyl-5-methylpyrazole
 oxime.
 Salhyppnone, oxime of.
 α -Salicylalldoxime.
 Sedanonic acid, oxime of.
 Semicarbazideamidoxime.
 Succinic acid-alldoxime.
 Thujaketonic acid, oxime of.

Oximes. See :—*p*-Tolyl heptadecyl ketoxime.*p*-Tolyl- β -naphthyl sulphonacetoxime.*p*-Tolylxyacetaldoxime.*p*-Tolyl pentadecyl ketoxime.1-*p*-Tolyl-3 : 5-pyrazolidone, oxime of.*o*-Tolylsulphonacetoxime.

Triacetonehydroxylamine oxime.

Trimethylcyclohexanonoxime.

Valeraldoxime.

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Xylenoxyacetaldoxime.

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- Paraffins**, molecular refractions of the (EYKMAN), A., ii, 1.
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 γ -Galactose.
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Diphenyldisulphonedithylamine.

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Diphenylethylenedisulphone.

Ditolenylenedisulphone.

Di-*o*-tolylethylenedisulphone.

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α -Naphthalenediazophenylsulphone.

Naphthylallylsulphone.

α -Naphthylbromopropylsulphone.

α -Naphthyliodopropylsulphone.

α -Naphthylpropyleneoxidesulphone.

Phenylallylsulphone.

Phenylbromopropylsulphone.

Phenyliodopropylsulphone.

Phenylsulphone-acetic acid.

Phenylsulphone-ethylic alcohol.

Sulphonefluorescein.

p-Toluenediazophenylsulphone.

o- and *p*-Tolylallylsulphones.

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o-Tolylbenzylsulphone.

Tolylbromopropylsulphone.

o-Tolylbutylsulphone.

o-Tolyl-*iso*-butylsulphone.

o-Tolylcetylulphone.

o-Tolylethylsulphone.

o-Tolyl- β -hexylsulphone.

Tolyliodopropylsulphone.

o-Tolylmethylsulphone.

p-Tolylpropyleneglycol-sulphone.

o-Tolylpropylsulphone.

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o-Tolylsulphonacetone.

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o-Tolylbenzylsulphone (TROEGER and TETZNER), A., i, 224.
p-Tolyl bromomethyl ketone (KUNC-KELL), A., i, 282, 521.
p-Tolylbromopropylsulphone (TROEGER and HINZE), A., i, 351.
o-Tolyl-butylsulphone and -isobutylsulphone (TROEGER and TETZNER), A., i, 224.
 3'-*p*-Tolyliso-carbostyryl, 4'-cyano- (HARPER), A., i, 107.
o-Tolylcetylulphone (TROEGER and TETZNER), A., i, 224.
p-Tolyl chloromethyl ketone (KUNC-KELL), A., i, 282.
o-Tolyl-chlorophosphine, -tetrachlorophosphine, and -oxychlorophosphine (MICHAELIS and SCHMIDT), A., i, 148.
m-Tolyl-chlorophosphine, -tetrachlorophosphine, and -oxychlorophosphine (MICHAELIS and BERGEGGER), A., i, 149.
 3'-*p*-Tolylisocoumarin, 4-cyano- (HARPER), A., i, 106.
p-Tolyleyanophosphine (MICHAELIS and GLAUBITZ), A., i, 146.
o-Tolyl-diethylphosphine, its methiodide and ethiodide (MICHAELIS and PIPER), A., i, 149.
p-Tolyl-diethylphosphine oxide, and its nitro-derivative (MICHAELIS and MIETHING), A., i, 148.
 4'-*p*-Tolyl-dihydroketoquinazoline (KIP-PENBERG), A., i, 421.
 3:1'-*p*-Tolyl-diketoquinazoline (FORT-MANN), A., i, 301.
p-Tolyl-dimethylphosphine oxide and its nitro-derivative (MICHAELIS and MIETHING), A., i, 147.
p-Tolyl-dimethylphosphine-chloride-acetic acid, ethylic salt of, and its hydrochloride and platinochloride (MICHAELIS and MIETHING), A., i, 148.
 Tolyldimethylphosphobetaine, and its salts (MICHAELIS and MIETHING), A., i, 148.
 α -*o*-Tolylenediaminoethylenedicarboxylic acid, ethylic salt of (RUHE-MANN and HEMMY), A., i, 635.
o-Tolyleneoxamide (MEYER and SEE-LIGER), A., i, 45.

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- p*-Tolyl ethyl ether, formation of (PAAL and DEYBECK), A., i, 352.
o-Tolylethylsulphone (TROEGER and TETZNER), A., i, 224.
o-Tolylethylthiohydantoin and action of alkali on (DIXON), T., 636; P., 1897, 9.
p-Tolylguanidine, amino- (PELLIZZARI), A., i, 48.
p-Tolylheptadecylketoxime (CLAUS and HÄFELIN), A., i, 187.
o-Tolyl- β -hexylsulphone (TROEGER and TETZNER), A., i, 224.
o-Tolylhydrazine, *p*-nitro- (BAMBERGER), A., i, 289.
o- and *p*-Tolylhydrazine hydrochlorides, action of formamide on (PELLIZZARI and MASSA), A., i, 206.
o-Tolylhydrazinesulphonic acid, *p*-nitro-, potassium salt (BAMBERGER), A., i, 289.
p-Tolylhydroxylamine, preparation of (BRETSCHNEIDER), A., i, 420.
o-Tolyllic bisulphide, tetrasulphide and pentasulphide (TROEGER and TETZNER), A., i, 224.
 hydrosulphide, zinc derivative of (TROEGER and TETZNER), A., i, 224.
o-Tolylidopropylsulphone (TROEGER and HINZE), A., i, 351.
p-Tolylidopropylsulphone (TROEGER and HINZE), A., i, 351.
 3'-*p*-Tolyl-2'-ketotetrahydroquinazoline (PAAL and HILDEBRAND), A., i, 407.
o- and -*p*-Tolylmaleamic acids (DUNLAP and PHELPS), A., i, 461.
 γ -*o*-Tolyl- β -methylhydantoin and γ -*p*-Tolyl- β -methylhydantoin (QUENDA), A., i, 144.
p-Tolylmethylnitramine and its *o*- and *m*-nitro- and 2:3:5-*tr*-nitro-derivatives (PINNOW), A., i, 338.
o-Tolylmethylsulphone (TROEGER and TETZNER), A., i, 224.
o-Tolylmethylthiohydantoin and action of alkali on (DIXON), T., 634; P., 1897, 8.
 5:2-*p*-Tolylmethyltriazole, 1-acetyl derivative of (PINNER), A., i, 638.
p-Tolyl- β -naphthylsulphonacetone (TROEGER and BOLM), A., i, 536.
p-Tolyl- β -naphthyl-sulphonacetone, oxime, phenylhydrazone (TROEGER and BOLM), A., i, 536.
 5:2-*p*-Tolynaphthyltriazole (PINNER and SALOMON), A., i, 639.
p-Tolylnitramine, *o*-nitro- (PINNOW), A., i, 338.
o-, *m*-, and *p*-Tolylloxacetals (STOERMER and SCHMIDT), A., i, 526, 527.

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- p*- and *m*-**Tolyloxyacetals**, and the action of water on them (HESSE), A., i, 457.
- o*-**Tolyloxyacetaldehyde**, hydrate, oxime, and semicarbazone (STOERMER and SCHMIDT), A., i, 527.
- m*-**Tolyloxyacetaldehyde**, hydrate, oxime, and phenylhydrazone (HESSE), A., i, 457; (STOERMER and SCHMIDT), A., i, 527.
- p*-**Tolyloxyacetaldehyde**, hydrate, oxime, phenylhydrazone, and semicarbazone (HESSE), A., i, 457; (STOERMER and SCHMIDT), A., i, 526.
- p*-**Tolyloxyacetic acid** (HESSE), A., i, 457.
- m*- and *p*-**Tolyloxyacetonitrile** (STOERMER and SCHMIDT), A., i, 527.
- p*-**Tolylpentadecyl ketoxime** (CLAUS and HÄFELIN), A., i, 187.
- o*-**Tolylphosphine oxide** (MICHAELIS and SCHMIDT), A., i, 148.
- o*-**Tolylphosphinous acid**, its salts and anilide (MICHAELIS and SCHMIDT), A., i, 148.
- m*-**Tolylphosphinous acid**, its salts and phenylhydrazide (MICHAELIS and BERGHEGGER), A., i, 149.
- o*-**Tolylphosphonic acid**, *p*-amino-, *p*-chloro-, dichloro-, and *p*-nitro- (MICHAELIS and SCHMIDT), A., i, 148.
- m*-**Tolylphosphonic acid**, and its salts, and 4-bromo-, 4-chloro-, and 2:4:5-*tri*-chloro-derivatives (MICHAELIS and BERGHEGGER), A., i, 149.
- p*-**Tolylphosphonic acid**, diamide, dianilide, ditoluidide, monotoluidide, and phenylhydrazide of (MICHAELIS and GLAUBITZ), A., i, 146.
- monophenylic salt and its chloride, amide, and phenylhydrazide (MICHAELIS and GLAUBITZ), A., i, 146.
- mono-*p*-tolyl salt and its chloride (MICHAELIS and GLAUBITZ), A., i, 146.
- p*-**Tolylphosphonic acid**, amino-, nitro-, and dinitro-, and their salts (MICHAELIS and PIPER), A., i, 147.
- p*-**Tolylphosphonic acid**, isomeride of (MICHAELIS and GLAUBITZ), A., i, 146.
- p*-**Tolylpropyleneglycol-sulphone** (TROEGER and HINZE), A., i, 351.
- 1-*p*-**Tolyl-4-isopropylidenepyrrolidone** (CLAISEN), A., i, 442.
- o*-**Tolylpropylsulphone**, and its bromo-derivative (TROEGER and TETZNER), A., i, 224.
- o*-**Tolylisopropylsulphone** (TROEGER and TETZNER), A., i, 224.

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- 1-*p*-**Tolyl-3:5-pyrazolidone**, and its salts, oxime, phenylhydrazone, and benzoyl and 4-dibromo-derivatives, and compound with tolylhydrazine (CLAISEN), A., i, 442.
- p*-**Tolylpyruvic acid**, *o*-nitro-, and its phenylhydrazone (REISSERT), A., i, 419.
- p*-**Tolylsuccinimide**, *o*-nitro- (MIOLATI and LOTTI), A., i, 560.
- o*-**Tolylsulphonacetone** and its oxime and phenylhydrazone (TROEGER and TETZNER), A., i, 224.
- p*-**Tolylsulphonamic acid** (PAAL and DEYBECK), A., i, 352.
- o*-**Tolylsulphonethylic alcohol** (TROEGER and TETZNER), A., i, 224.
- p*-**Tolylsulpho-nitramic and -nitrosamic acids** (PAAL and DEYBECK), A., i, 352.
- 4'-*p*-**Tolyltetrahydro-ketoquinazoline** and -thioquinazoline (KIPPENBERG), A., i, 421.
- o*-**Tolylthiocarbimidoglycolide**, from *o*-tolylthiohydantoin (DIXON), T., 623; P., 1897, 8.
- p*-**Tolylthiocyanophosphine** (MICHAELIS and GLAUBITZ), A., i, 146.
- o*-**Tolylthiohydantoin**, constitution of, and action of hydrochloric acid on (DIXON), T., 622, 625; P., 1897, 8.
- o*-**Tolylthiourea**, action of ethylic chloracetate on (DIXON), T., 623; P., 1897, 8.
- 1-*o*- and 1-*p*-**Tolyltriazoles**, and their salts (PELLIZZARI and MASSA), A., i, 206.
- Topaz**, constitution of (CLARKE), A., ii, 51.
- Tourmaline** from Sardinia (LOVISATO), A., ii, 414.
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- transparency of, for Röntgen rays (DOELTER), A., ii, 469.
- fusion products of (DOELTER), A., ii, 329.
- Tourmaline-rock** from India (JUDD), A., ii, 414.
- Toxicology**, destruction of organic matter in (VILLIERS), A., ii, 523.
- Trachylic and iso-Trachylic acids**, occurrence of, in copal, and their acetyl and benzoyl derivatives (STEPHAN), A., i, 93.
- Training**, influence of, on muscular metabolism (SCHNYDER), A., ii, 59.
- Transference ratio**. See Migration constant.
- Transition points** of sodium potassium and sodium ammonium tartrates (VAN LEEUWEN), A., ii, 397.

- Transpiration** in plants, effect of the atmospheric conditions on (HEINRICH), A., ii, 424.
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- Trees.** See Agricultural Chemistry.
- Tremolite** from Sweden, alteration to serpentine (SJÖGREN), A., ii, 326.
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- 2 : 3 : 5-Triacetamidobenzene**, 1-nitro-, (NIETZKI and HAGENBACH), A., i, 278.
- Triacetamidophenol** and its acetate (NIETZKI and BLUMENTHAL), A., i, 218.
- Triacetin**, properties of (GEITEL), A., i, 547.
- Triacetonehydroxylamine**, and its hydrochloride and oxime (HARRIES and LEHMANN), A., i, 212.
- Triacetoxisobutane**, and the action of heat on it (PILOTY and RUFF), A., i, 588.
- Triacetoxynaphthalene** (ZINCKE and NOACK), A., i, 355.
- Triacetyl amino- β -naphthaquinol** (ZINCKE and NOACK), A., i, 355.
- Triacetyl amino-orsinol** (HEINRICH), A., i, 446.
- Triacetyl baptigenin** (GORTER), A., i, 627.
- Triacetylbulbocapnine**, and its salts and acetyl derivative (ZIEGENBEIN), A., i, 175.
- Triacetyldiglycerol** (GEITEL), A., i, 457.
- Triacetylgallacetophenone** (LÖWY), A., i, 474.
- Triacetylmacluriazobenzene**, production of (PERKIN), T., 188 ; P., 1897, 5.
- Triacetylmethyl- ψ -morphine** (VON-GERICHTEN), A., i, 260.
- Triacetylphloretylcoumarin** (PERKIN and MARTIN), T., 1151 ; P., 1897, 172.
- Triacetylthebenine** (FREUND and MICHAELS), A., i, 496.
- Trianilino- ψ -cumylphosphonium** hydroxide, and its salts (MICHAELIS, ROTHE and USTER), A., i, 151.
- 1 : 3 : 5-Trianilinodinitrobenzene** (JACKSON and LAMAR), A., i, 29.
- o*- and *p*-Triazolebenzoic acids** and their salts (PELLIZZARI and MASSA), A., i, 206.
- Tribenzamidotriethylamine** (RISTENPART), A., i, 47.
- Tribenzodi-*o*-amidodibenzylamide** (BUSCH, BIRK and LEHMANN), A., i, 543.
- Tribenzoylanthragallol** and its nitro-derivative (M. BAMBERGER and BÖCK), A., i, 577.
- Tribenzoylapigenin**, the properties of (PERKIN), T., 809 ; P., 1897, 54.
- Tribenzoylbaptigenin** (GORTER), A., i, 627.
- Tribenzoylconvolvulin** (HOEHNEL), A., i, 228.
- Tribenzoyl-1 : 4'-dihydroxylamine-anthraquinone** (SCHMIDT and GATTERMANN), A., i, 196.
- Tribenzoylmethyl- ψ -morphine** (VON-GERICHTEN), A., i, 260.
- Tribenzoylpurgic acid** (HOEHNEL), A., i, 228.
- Tricarballic acid**, amyllic salt, rotatory power of the (WALDEN), A., ii, 3.
- Tridymite**, artificial (DOELTER), A., ii, 55 ; (CHRUSTCHOFF), A., ii, 506.
- Triethanolamine.** See Trihydroxytriethylamine.
- Triethylacetaldehydeammonium** chloride, aurochloride, platinochloride, and picrate, and the action of silver oxide on it, and its reduction (STOERMER and PRALL), A., i, 458.
- Triethylamine**, action of allylic bromide on (PARTHEIL and VON BROICH), A., i, 264.
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- Triethylamine**, triamino-, and its salts and benzoyl derivative (RISTENPART), A., i, 46.
- Triethylbromallylammonium** bromide and platinochloride (PARTHEIL and VON BROICH), A., i, 264.
- Triethyl dibromopropylammonium** bromide, its platinochloride and aurochloride, and the action of alcoholic potash on it (PARTHEIL and VON BROICH), A., i, 264.
- Triethylglycocine.** See Ethylbetaine.
- α - and β -Triethylidenediphenylhydrazines** (CAUSSE), A., i, 408.
- Triethyl luteolin.** See Luteolin triethyl ether.
- Triethylphosphine**, active oxygen produced during the oxidation of (JORISSEN), A., ii, 253.
 iodide, electrolytic dissociation of, in acetone solution (CARRARA), A., ii, 472.
- Triethylsulphine iodide** mercuriodide (HOFMANN and RABE), A., i, 310.
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- Triethyltrimethinammonium** bromide and platinochloride (PARTHEIL and VON BROICH), A., i, 264.

- Trifolium hybridum* and *T. pratense*. See Agricultural Chemistry.
- Trifolium pratense*, *L.*, action of nodule-bacteria on (NOBBE and HILTNER), A., ii, 64.
- Triformal-ethylamine, -methylamine, and -propylamine**, refractive power and dispersion of (BRÜHL), A., ii, 297.
- 1:2:3-Trihydroxybenzophenone** (BAROLOTTI), A., i, 622.
- Trihydroxyisobutane** (*iso-butylglycerol*) anhydride of, diacetyl derivative of (PILOTY and RUFF), A., i, 588.
- Trihydroxyterbutane**, nitro-reduction of (PILOTY and RUFF), A., i, 453.
- Trihydroxyterbutylamine** (2-methylol-2-aminopropanediol-1:3) and its salts and tri- and tetra-acetyl derivatives (PILOTY and RUFF), A., i, 587.
- Trihydroxyflavone** and its triacetate (BRÜLL add FRIEDLÄNDER), A., i, 221.
- Trihydroxyflavones** and their salts and acetyl and benzoyl derivatives (FRIEDLÄNDER and LÖWY), A., i, 32.
- 1:2:3-Trihydroxynaphthalene** (*naphthapyrogallol*), triacetyl derivative (ZINCKE and NOACK), A., i, 355.
- Trihydroxyphenylenic bisulphide**, and its barium, silver, acetyl, and phthalic anhydride derivatives (GENVRESSE), A., i, 240.
- 4:5:6-Trihydroxypicoline** and its salts (LAPWORTH and COLLIE), T., 843; P., 1897, 146.
- Trihydroxytriethylamine** (*triethanolamine*), molecular dispersion of (KNORR), A., i, 456.
- its picrate and tribenzoyl derivatives, and its separation from aminoethylic alcohol and dihydroxydiethylamine (KNORR), A., i, 313, 314.
- Triketohexamethylene-1:3-dicarboxylic acid**. See *cyclo*-Hexantrione-1:3-dicarboxylic acid.
- Triketohydrindene** (KAUFMANN), A., i, 245.
- 1:2:3-Triketohydronaphthalene**, 4-dichloro- (ZINCKE and NOACK), A., i, 355.
- 1:2:4-Triketohydronaphthalene-2'-carboxylic acid**, 3:3:4'-dichloro-bromo-, and 3:3:4'-chlorodibromo- (ZINCKE and FRANCKE), A., i, 77, 78.
- Triketopentamethylenedicarboxylic acid**. See *cyclo*-Pentantrione-1:3-dicarboxylic acid.
- Trimellitic acid**, 5-bromo-, dimethylic and trimethylic salts (ZINCKE and FRANCKE), A., i, 78.
- Trimethylamine** from magnesium nitride and methylic alcohol (SZARVASY), A., i, 211.
- from putrefied hops (BEHRENS), A., ii, 115.
- action of α - and β -dichlorhydrin, of β -dibromhydrin, of allylic tribromide, and of epichlorhydrin on (HARTMANN), A., i, 316.
- action of ethylic oxalacetate on (WISLICIENUS and BECKH), A., i, 398.
- hydriodide (DELÉPINE), A., i, 586.
- separation of ammonia from (FLECK), A., ii, 168.
- 2:3:4-Trimethylbenzoic acid** (LUCAS), A., i, 181.
- Trimethylbromallylammonium chloride** (HARTMANN), A., i, 316.
- Trimethylcarbinol**. See *tert*-Butylic alcohol.
- 1:4:5-Trimethylcatechol**, 6-chloro-, and its acetyl derivative (ZINCKE and HODES), A., i, 512.
- Trimethylchlorhydroxypropylammonium chloride** and its aurochloride and platinumchloride (HARTMANN), A., i, 316.
- 1:3:4-Trimethylcoumarone** and its picrate (STOERMER and SCHROEDER), A., i, 528.
- Trimethylldihydroxypropylammonium chloride**, and its dibenzoyl and diacetyl derivatives, and the action of hydriodic acid and of nitric acid on it (HARTMANN), A., i, 315, 316.
- Trimethylenic chloriodide** and nitroxychloride (HENRY), A., i, 1.
- Trimethylethylene**. See Pentenes.
- Trimethylgallic acid**, from oxidation of methylsinapic acid (GADAMER), A., i, 361.
- $\alpha\alpha\beta$ -Trimethylglutaconic acid** (*hexylene-dicarboxylic acid*), and its silver, copper, and ethylic salts (PERKIN and THORPE), T., 1182; P., 1897, 72.
- iso*-Trimethylglutaconic acid**, and its silver, barium, calcium, and copper salts, anhydride, anilic acid, anil (PERKIN and THORPE), T., 1184.
- $\alpha\alpha\beta$ -Trimethylglutaric acid** (*hexanedicarboxylic acid*), silver, lead, mercury salts, anilic acid, anhydride (PERKIN and THORPE), T., 1187; P., 1897, 72.
- β -bromo-, ethylic salt (PERKIN and THORPE), T., 1181.
- α - and β -dibromo- (PERKIN and THORPE), T., 1184.
- β -chloro-, ethylic salt (PERKIN and THORPE), T., 1180; P., 1897, 73.
- β -cyano-, ethylic salt (PERKIN and THORPE), T., 1189; P., 1897, 73.

- 3:4:4-Trimethylheptan-2-oldioic acid**, from oxidation of β -campholenic acid (TIEMANN), A., i, 200.
- 1:3:3-Trimethylcyclohexadiene**, 3-chloro- (KNOEVENAGEL and FISCHER), A., i, 611.
- 1:3:3-Trimethylcyclohexane** (KNOEVENAGEL and FISCHER), A., i, 612.
- Trimethylcyclohexanol** (*dihydroisophlorol*), cis- and trans-modifications of, and their acetyl derivative and the corresponding iodide (KNOEVENAGEL and FISCHER), A., i, 611.
- Trimethylcyclohexanone**, and its oxime and semicarbazone (KNOEVENAGEL and FISCHER), A., i, 612.
- 1:3:3-Trimethylcyclohexene** (KNOEVENAGEL and FISCHER), A., i, 612.
- 5-amino- (isophorylamine)** and its hydrochloride and benzoyl derivative (KNOEVENAGEL and FISCHER), A., i, 611.
- 1:3:3-Trimethylcyclohexenone** (*isophorone*) and its oxime, phenylhydrazine, semicarbazone and benzoyl derivative (KNOEVENAGEL and FISCHER), A., i, 611.
- Trimethylhydroxylamine hydriodide** (DE BRUYN), A., i, 9.
- 1':3':3'-Trimethylindoline** and salts (CIAMICIAN and PICCININI), A., i, 102.
- Trimethyluteolin**. See Luteolin trimethyl ether.
- sym*-**Trimethylmandelic acid** (MEYER and MOLZ), A., i, 474.
- α - and β -**2:3:5-Trimethylpiperazines**, their salts and dibenzoyl derivatives (STOEHR and BRANDES), A., i, 299.
- 2:2:6-Trimethylpiperidine**, 4-amino-, α - and β -modifications of, α -thiocarbamate of, *iso*-thiocarbamide of, salts, and an acetyl derivative (HARRIES), A., i, 295.
- 1:7:9-Trimethylpurine**, 6:8-dioxy- (FISCHER), A., i, 642.
- 3:7:9-Trimethylpurine**, 2:8-dioxy- (FISCHER), A., i, 643.
- 3:4:5-Trimethylpyridine** (*collidine*) and its salts (AHRENS), A., i, 203.
- 2:4:6-Trimethylpyridine** and its salts (COLLIE), T., 308; P., 1897, 43.
- 2:3:5-Trimethylpyrrolidine**, and the action of methyliodide on it (EULER), A., i, 585.
- 1':2':3'-Trimethyl-4-quinolone** (FRAENKEL), A., i, 487.
- 1:4:5-Trimethyl-o-quinone**, 6-chloro- (ZINCKE and HODES), A., i, 512.
- Trimethylresorcinol** and its dimethylic ether (HOSTMANN), A., i, 476.
- Trimethylsuccinic acid** (*pentanedicarboxylic acid*), from camphor derivatives (TIEMANN), A., i, 163.
- p*-bromanilide (BALBIANO), A., i, 253.
- electrolytic dissociation of, in acetone solution (CARRARA), A., ii, 472.
- mercurioiodide (HOFMANN and RABE), A., i, 310.
- 1':2'-4'-Trimethyltetrahydroquinoline**, and its salts (CIAMICIAN and PICCININI), A., i, 101.
- 1':4:4'-Trimethyltetrahydroquinoline**, and its platinumchloride (CIAMICIAN and PICCININI), A., i, 102.
- aa* β -**Trimethyltricarballic acid** (*hexanedicarboxylic acid*), synthesis of; identity of, with camphoronic acid (W. H. PERKIN, junr., and THORPE), P., 1897, 73.
- Trimethyltrimethinammonium** hydroxide, action of heat on, and its picrate and platinumchloride (PARTHEIL and VON BROICH), A., i, 263.
- Trimethyltrimethylenetriamine**, action of hydrogen sulphide and of carbon bisulphide on (DELÉPINE), A., i, 456.
- 1:3:7-Trimethyluramil**, and the action of potassium cyanate and of hydrochloric acid on (FISCHER), A., i, 269.
- 1:3:7-Trimethyl- ψ -uric acid** (FISCHER), A., ii, 269.
- Trioxymethylene**, heat of formation of, and the action of water on (DELÉPINE), A., i, 505.
- Trioxysparteine** (AHRENS), A., i, 232.
- Triphenodioxazine**, cyano- and dinitro- (AUWERS and RÖHRIG), A., i, 342.
- Triphenodioxazinedicarboxylic acid**, methylic and ethylic salts (AUWERS and RÖHRIG), A., i, 342.
- Triphenylacrylic acid**, methylic salt of (DAHL), A., i, 170.
- an isomeride of (MEYER and WEIL), A., i, 481.
- Triphenylalbumin**, properties of (SHIMADA), A., i, 386.
- Triphenyltribromethane**, tribromo- (BILTZ), A., i, 535.
- Triphenylcarbinol**, *p*-benzoyl derivative of (BOURCET), A., i, 567.
- $\alpha\beta\gamma$ -**Triphenylcrotonitrile** (RIEDEL), A., i, 220.
- Triphenylethane** (BILTZ), A., i, 535.
- Triphenylethanone**. See Diphenylacetophenone.
- Triphenylglyoxaline** (*lophinc*) (SEAL), A., i, 67.
- Triphenyllactic acid** (DAHL), A., i, 170.
- Triphenylmethane**, action of nitric acid (SMITH), A., i, 573.
- compound of, with benzene (KURILOFF), A., i, 573.

- Triphenylmethane**, bromo-, action of, on ethylic sodioacetate and ethylic sodiomalonate (HENDERSON and PARKER), T., 676; P., 1897, 119.
- Triphenylmethaneazobenzene** (GOMBERG), A., i, 624.
- Triphenylmethane colour bases**, constitution of (WEIL), A., i, 157.
- Triphenylmethane colours**, oxidation of leuco-compounds of (GREEN), P., 1896, 226.
- Triphenylmethanehydrazobenzene** (GOMBERG), A., i, 623.
- Triphenylpropane** (DAHL), A., i, 170.
- 1:3:4-Triphenylpyrazole** (JAPP and TINGLE), T., 1148; P., 1897, 171.
- 2:3:5-Triphenylpyrroline**, formation of, from dibenzoylcinnamenimide, and its oxidation (JAPP and TINGLE), T., 1146; P., 1897, 171.
- Triphenylrosaniline**, partition between benzene and acetic acid of (TAMMANN), A., ii, 365.
- 1:3:5-Triphenyltriazole**, and its salts and derivatives (ENGELHARDT), A., i, 127.
- Triphenylvinyl alcohol** and its acetyl derivative (BILTZ), A., i, 535.
- Triphthalyltriimidotriethylamine** and its salts (RISTENPART), A., i, 46.
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